

AL. 2.1986-399
C.12

COAL TECHNOLOGY
INFORMATION CENTRE
CORPORATE AUTHOR INDEX

4583660





22

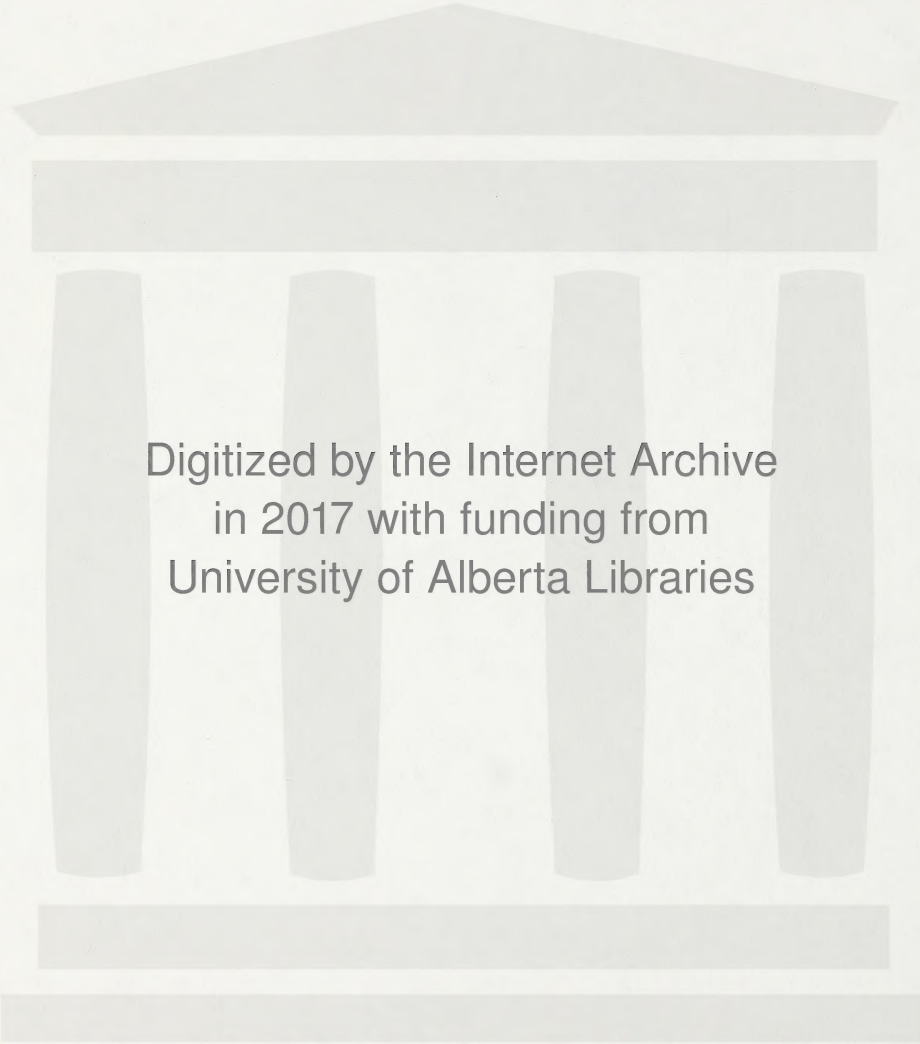
MAR 1 5 1983

COAL-ABSTRACTS INDEX

4TH EDITION

ARC INFORMATION SERIES No. 100

1983



Digitized by the Internet Archive
in 2017 with funding from
University of Alberta Libraries

INTRODUCTION

The Coal Technology Information Centre was established in April, 1978, as part of the Alberta Research Council. The Centre, which is funded by the Alberta Department of Energy and Natural Resources, (Energy Resources Research Fund) acts as an agency through which information can be furnished to Government Departments, Industry and Universities.

The objective of the Coal Technology Information Centre is to identify, collect, index, store, retrieve and disseminate information related to the winning and subsequent processing of coal. As well, as maintaining and updating a computerized searchable data bank, the Centre provides a published cumulative edition and a semi-annual update of the Coal-Abs Index.

The published Index consists of: a List of Holdings, Keyword Index, Author Index and Corporate Author Index.

LIST OF HOLDINGS - consists of identifier, title, author, source and other relevant information related to each document in the data bank.

example:

0178 84 (*)

Article, Gasification

Design considerations for an in-situ gasification test of Eastern bituminous coals

By Strickland, L.D. / Martin, J.W. / Liberatore, A.J.
Morgantown Energy Research Centre, Morgantown, West Virginia

Proceedings of the 13th Intersociety Energy Conversion Engineering Conference, Volume 1, San Diego, California, p. 355-365 Aug. 1978

(*) means a table of contents for this document is available on-line

(a) Identifier:

List of Holdings is arranged in separate subject categories. The first two numbers of the identifier are a number code indicating one of the eleven different subject classifications.

- 01 GASIFICATION
- 02 LIQUEFACTION
- 03 BENEFICIATION
- 04 MINING
- 05 ENVIRONMENT
- 06 COMBUSTION
- 07 GEOLOGY
- 08 TRANSPORTATION
- 09 EXPLORATION
- 10 PROPERTIES
- 11 ENERGY POLICY

The second set of two numbers indicate the year the document was published. Citations are listed under each subject category in descending chronological order.

(b) Abstracts:

Abstracts of all documents in the Index are available in a printed or on-line format, at the Coal Technology Information Centre.

(c) Keywords:

Specific keywords have been assigned to some of the documents in the data bank and they are also available on-line.

KEYWORD INDEX - consists of an alphabetical listing of keywords followed by the identifier, title and report number of the document in which they appear. These citations are also listed in descending chronological order.

AUTHOR INDEX - consists of an alphabetical listing by author surname.

CORPORATE AUTHOR INDEX - consists of an alphabetical listing by corporate author phrase. Citations are listed in descending order.

The Centre maintains a full copy of the original article for reference purposes. All material in the data bank can be photocopied for a small service charge.

Any on-line search requests can be conducted through the Coal Technology Information Centre.

For further information contact:

Jane Ballash or Leslie Black

COAL TECHNOLOGY INFORMATION CENTRE
11315 - 87 Avenue
Edmonton, Alberta
T6G 2C2

Telephone: - (403) 439-5916
ext. 235

- A. A. SKOCHINSKII MINING INSTITUTE, USSR
1078 146 Chromatographic method of determining the sorption capacity of natural coals
- A. MICKIEWICZ UNIVERSITY, GRUNWALDZKA, POZNAN, POLAND
1079 65 Chemical structure of coals as indicated by reductive alkylation
- AACHEN UNIVERSITY OF TECHNOLOGY, AACHEN, GERMANY
0179-107 Hydrogasification of Bituminous Coal
0182 76 The influence of pressure-swinging on the simulation of underground coal gasification
0182 77 Mathematical modeling of the In Situ coal gasification process
- AB SCANTAINVENTOR, HELSINGBORG, SWEDEN
0680 97 Composition comprising a pulverized purified substance, water and a dispersing agent, and a method for preparing the composition
- ABOKADEMI, TURKU, FINLAND
0679 82 Staggering of the furnace walls in pulverized coal-fired steam-boilers
- ACADEMY OF SCIENCES, MOSCOW, USSR
0478 306 Principles of operation of hydraulic supports regarded a rheological systems
0675 12 Development and study of high temperature materials for various components of MHD installations
0675 13 Thermophysical and electrophysical properties of combustion products with seed
0676 6 Joint U.S. - U.S.S.R. Test of U.S. MHD electrode systems in U.S.S.R. U - O2 MHD facility (phase I). Final Report
0676 23 Errors of measurement of plasma temperature in MHD generator channels
0677 219 Superconducting magnet system for an MHD generator
0677 220 Composition and properties of working fluids in open-cycle magnetohydrodynamic generators. U.S. - U.S.S.R. cooperative program, in MHD power generation
0678 98 Tests and studies of U.S.S.R. materials at the U.S. coal burning MHD facility UTISI-2
0678 185 Open-cycle magnetohydrodynamic electrical power generation
0779 6 Influence of geological and mining extraction-field anomalies on rock pressure phenomena
0875 1 Study of the electrical conductivity of a plasma in combustion products
0878 48 Experimental study of moisture transfer in bulk coal subject to freezing
1078 151 Effect of carbon monoxide on the oxidation of carbon by oxygen
- ACEC, CHARLEROI, BELGIUM
0678 242 Combined-cycles for electric-power and heat generation
- ACRES DAVY MCKEE LIMITED, REXDALE, ONTARIO
0682 53 Davy S-H process for flue gas desulfurization
- ACTON CORPORATION, CLEVELAND, OHIO
0677 62 Action mass flow system applied to PFBC feed
- ACUREX CORPORATION, MOUNTAIN VIEW, CALIFORNIA
0177 201 Instrumentation of a Wellman-Galusha gasifier operating on anthracite for system evaluation and control
0178 335 Operation and performance of a Wellman-Galusha gas producer
0281-300 Catalytic combustion of coal-derived liquid fuels
0580 145 Environmental assessment of utility boiler combustion modification NO_x coals: Volume 1. Technical Results
0580 149 Environmental assessment field testing: Effects of NO_x controls applied to a tangential coal-fired utility boiler
0681 32 Pilot-scale development of a low-NO_x coal-fired tangential system
0681 181 Pilot-scale development of a low-NO_x coal-fired tangential system

- ADELPHI RESEARCH CENTER, INC., GARDEN CITY, NEW YORK
0277 99 Feasibility study of using a coal/water/oil emulsion as a clean liquid-fuel
- ADJUNCT SYSTEMS, HUNTSVILLE, ALABAMA
0480 214 Lasers for coal mining automation
- ADVANCED FUEL RESEARCH INC., EAST HARTFORD, CONNECTICUT
1081 182 Coal structure and thermal decomposition
1081 212 Understanding coal using thermal decomposition and Fourier Transform infrared spectroscopy
1082 61 FTIR analysis of coal. 1. Techniques and determination of hydroxyl concentrations
- AECI LTD., MODDERFONTEIN, JOHANNESBURG, SOUTH AFRICA
0180 5 Production of ammonia synthesis-gas by purification and shift conversion of gas produced from coal
0181 26 Coal-based ammonia/methanol plant has high reliability
- AERODYNE RESEARCH INC., BEDFORD, MASSACHUSETTS
0678 232 Computer modeling of the effects of coal-ash chemistry on the performance of MHD-generators
0680 207 Studies of MHD generator performance with oxygen enriched coal combustion
- AERONAUTICAL RESEARCH ASSOCIATES OF PRINCETON, INC., PRINCETON, NEW JERSEY
0677 142 Modeling two-phase flow in a swirl combustor. Final Report. ARAP Report No. 310
- AEROSPACE CORPORATION, EL SEGUNDO, CALIFORNIA
0678 125 Fluidized-bed catalytic reactor according to a statistical fluid mechanics model
- AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY, MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY, TOKYO, JAPAN
0280 131 Method for preventing sedimentation of finely powdered coal in colloidal fuel
- AIN SHAMS UNIVERSITY, CAIRO, EGYPT
1078 67 Porous structure of Maghara coal
- AIR POLLUTION SYSTEMS, INC., SEATTLE, WASHINGTON
0676 5 Development program for an ionizer-precipitator fine particle dust collection system as applied to coal-fired utility steam generators
- AIR PRODUCTS AND CHEMICALS, INC., ALLENTOWN, PENNSYLVANIA
0179 89 Tennessee colony steam-oxygen in-situ lignite gasification test
0179 95 The chemical industry can benefit from underground coal gasification
0179 154 Ambient-pressure thermogravimetric characterization of four different coals and their chars
0179 304 Rates of light gas production by devolatilization of coals and lignite
0180 230 Hydrogen sulfide concentrator for acid gas removal systems
0182 50 Oxygen-enriched anthracite gasification
0182 55 Chemical characterization, handling, and refining of solvent-refined-coal to liquid fuels, Annual Report, June 1975 - June 1976
0277 75 Catalytic hydroprocessing of solvent-refined-coal
0278 106 Hydroprocess solvent-refined-coal
0279 232 Solid SRC - a building block
0280 318 Approach to steady-state solvent composition in the SRC-I coal liquefaction process
0280 343 Gas/slurry flow in coal liquefaction processes (fluid dynamics in 3-phase flow column), Qtr Tech Prog Rep - January 1-March 31, 1980
- Ageing of SRC liquids
0281 113
Experimental stimulation of solids distribution in coal liquefaction dissolvers
0281 182
Hydrotreating of SRC-I product. Optimization of process variable space
0281 243
600-MHz proton magnetic resonance study of coal-derived liquids
0281 275
Pyrite catalysts in coal liquefaction
0282 26
Data processing for a Fischer-Tropsch Reactor
0282 195
Chemical characterization, handling and refining of solvent-refined-coal to liquid fuels, Final Report
1077 92

- AIR PRODUCTS AND CHEMICALS, INC., MARCUS HOOK, PENNSYLVANIA
 0179 283 Hot, low-Btu producer gas desulfurization in fixed bed of iron-oxide fly-ash, final report, July 1977 - March 1978
 1076 19 Hot low-Btu producer-gas desulfurization in fixed-bed of iron-oxide-fly-ash. Annual report No. 1, July 1975 - June 1976
 1076 20 Hot low-Btu producer gas desulfurization in fixed-bed of iron-oxide-fly-ash. Final report, Preparation and Properties of H/12/S Absorbents
 1077 90 Hot-low-Btu producer gas desulfurization in fixed-bed of iron-oxide-fly-ash. Final report, July 1975 - April 1977. Volume 2
 1077 97 Hot low-Btu producer gas desulfurization in fixed-bed of iron-oxide-fly-ash. Final report, July 1975 - April 1977. Volume 1
- AIR PRODUCTS/WHEELABRATOR FRYE JOINT VENTURE, ALLENTOWN, PENNSYLVANIA
 0281 141 Solid solvent refined coal - a building block
- AIRCO CRYOGENICS, IRVINE, CALIFORNIA
 0178 304 Investigation of high velocity wedge separator for particle removal in coal gasification plants Phase I Report
- AKITA UNIVERSITY, AKITA, JAPAN
 0281 64 Hydrogenolysis of coal-related model compounds by carbon monoxide-water mixture
- AL FATEH UNIVERSITY, TRIPOLI, LIBYA
 0282 67 Molecular weight distributions and size fractionations of H-coal liquids
- ALAN H. PLUMMER AND ASSOCIATES INCORPORATED, ARLINGTON, TEXAS
 0881 36 Effluent characteristics and discharge permit considerations for the ETSI coal slurry pipeline
 0882 13 Coal slurry dewatering operations wastewater treatability studies
- ALASKA DEPARTMENT OF NATURAL RESOURCES, COLLEGE, ALASKA
 0479 259 Reclaiming mining lands in Alaska
- ALBERTA ENERGY AND NATURAL RESOURCES, EDMONTON, ALBERTA
 0482 110 Alberta unhappy about oil and gas, but welcomes coal exports
 0775 0 Geology and coal reserves of the Ardley-Coal-Zone of Central-Alberta
 0778 8 Natural resources inventory information index
 0779 0 Natural resources inventory information index
 0882 3 Potential for water slurry transport of Alberta coal to Pacific tidewater
 1181 11 Coal conversion in Alberta
- ALBERTA RESEARCH COUNCIL, EDMONTON, ALBERTA
 0161 0 A low-temperature carbonization assay of Alberta coals
 0161 1 Pilot-plant investigations of low-temperature coal carbonization in a fluidized-bed
 0165 0 Coal as a non-fuel source material: The present status, Part I
 0165 1 Coal as a non-fuel source material: The present status, Part II
 0175 23 The relative economics of recovering and upgrading Alberta's hydrocarbon Resources
 0175 71 Coal Gasification: Selected Abstracts and Titles
 0175 82 The chemistry and technology of coal gasification
 0176 36 Underground coal gasification field test in Alberta - 1976
 0176 37 Alberta UCG field test - 1976
 0176 79 Coal gasification: Opportunities and challenges
 0177 76 In-situ coal gasification: The 1976 Alberta field test
 0177 77 Underground coal gasification in Canada
 0177 78 Energy recovery of UCG - An Alberta field test
 0177 79 In-situ coal gasification: The Forestburg (Alberta) field test, 1976
 0178 51 Hydrogeological and air-acceptance testing associated with the Forestburg underground coal gasification project

CORPORATE AUTHOR INDEX

0178	52	Underground coal gasification in Canada - Excavation of the Alberta test site
0178	53	Underground coal gasification in Canada - An assessment of the Alberta test
0178	193	Prospects for coal conversion in Canada
0179	213	Hydrogeological testing associated with underground coal gasification
0180	211	UCG studies in a large block simulator
0181	6	The relative hydrogen saturation factor and its use for material balance analysis of underground coal gasification
0181	27	Coal conversion research
0182	3	Finite element heat transfer modeling of underground coal gasification
0279	171	Some observations on the molecular 'nature' of petroleum asphaltenes
0280	5	Viscosity of coal paste under high hydrogen pressure
0280	23	Use of heavy oils (and derivatives) to process coal
0280	188	Studies on coal liquefaction catalysts
0280	239	Studies on non-catalytic liquefaction of western Canadian coals
0280	268	Coal liquefaction fundamentals
0280	296	Some aspects of research on coal liquefaction in Alberta
0280	330	Solubilization of coals by non-reductive alkylation in liquid ammonia
0281	9	Pyrolytic properties of Alberta coals
0281	22	A simple method to characterize feed-coals for liquefaction
0281	27	A novel method for metallurgical coke production
0281	90	The design and calibration of the coal feed system and reactor of a coal pyrolysis unit
0281	98	Use of synthesis gas in co-processing of coal-bitumen and derivatives
0281	122	Investigation in the use of heavy oils (and derivatives) to process coal
0281	172	Fractionation of oil sands bitumen and coal derived liquids
0281	323	Characterization of coal for liquefaction processes
0281	326	Speculation on molecular environment of reactive hydrogen atoms in coal
0281	336	Comparative studies on the liquefaction and solubilization reactivity of subbituminous and bituminous coals
0282	7	Coal liquefaction heat transfer: Measurement and modeling
0282	8	Viscosity of coal-bitumen and coal-anthracene oil slurries
0282	16	Effects of process parameters on the liquefaction of coal using heavy oils and bitumens
0282	61	Role and present status of analytical supporting services and investigations in the coal conversion programs
0282	64	Liquefaction characteristics of Alberta subbituminous coals
0282	68	Determination of active metal sites in metal oxide catalysts by selective gas chemisorption
0282	86	Petrographic analysis for a high volatile Australian coal and its liquefied residue
0282	156	The role of acid-base sites in the preparation of Al//20//3 supported platinum catalysts
0282	172	Reactivity of char from subbituminous coals
0282	173	The co-processing of heavy oil and coal
0282	175	Liquefaction characteristics of Alberta subbituminous coals
0282	176	Modeling of liquefaction reactors
0282	179	Evaluation of pyrolysis of a subbituminous coal
0381	48	Production of metallurgical coke from oxidized caking coal
0464	0	Catalogue of coal mines of the Alberta-Plains
0467	0	Coal mines and coal leases, Alberta-Rocky-Mountains and Foothills
0470	0	Alberta Foothills Coal
0472	0	Alberta Plains Coals
0479	3	Report on coal drilling activities during 1978
0479	58	Major cleat trends in Alberta plains coals
0569	0	On the probable environmental effects of coal mining and combustion in Western-Canada
0581	2	Assessment of reclamation potential and hydrologic impact of large-scale surface mining of coal in plains areas of Alberta - Summary Report of Activities, Vol. I, II, III
0743	0	Geology
0746	0	Geology and coal occurrences of Wapiti-Cutbank area Alberta
0760	0	Evaluations of some Alberta coal deposits
0767	0	Arday coal zone in the Alberta-Plains - Central-Red-Deer-River area
0767	1	Coal survey boreholes, Vulcan-Gleichen area, Alberta

- 0772 1 Coal occurrences and related geology, Fox-Creek area, Alberta
- 0774 0 Coal resources, Hussar-Hanna area, Alberta
- 0774 1 Coal resources, Taber-Manyberries area, Alberta
- 0775 0 Geology and coal reserves of the Ardley-Coal-Zone of Central-Alberta
- 0775 1 Coal resources, Tofield-Donalda area, Alberta
- 0776 2 Deep Cretaceous-coal resources of the Alberta-Plains
- 0781 17 Typical analysis and data on ash-quality of Alberta coals
- 0848 0 The fuel reserves of Alberta
- 0863 0 On possibilities for pipelining coal in Canada
- 0864 0 Paper 4. Pipeline transmission of coal and other materials in association with oil
- 0865 0 The pipeline movement of solids as capsules and paste-slugs
- 0876 4 Wind entrainment of coal particles and its control
- 0964 0 Coal research in Canada, 1963
- 0967 0 Coal research in Canada, 1966
- 0967 1 Coal exploration program of the Research Council of Alberta
- 0968 0 Coal research in Canada - 1967
- 0969 0 Coal Research and Development in Canada - 1968
- 0970 0 Coal Research and Development in Canada - 1969
- 1049 0 Graphical studies of the properties of Alberta-coals
- 1049 1 Low temperature carbonization of Alberta sub-bituminous coal
- 1051 0 Progress in coal technology - Carbonization
- 1052 1 Laboratory tests of the cleaning of fine coal by a D.S.M. cyclone
- 1055 0 Physicochemical studies on Alberta-coals, I. Surface area measurements
- 1055 1 Physicochemical studies on Alberta-coals, II. On the physical behavior of coal in ultrasonic fields
- 1055 2 Alberta coals: What you should know about them
- 1056 0 Pyrolysis of coal in the presence of nitric oxide
- 1061 0 Alberta Subbituminous coals as drilling fluid thinners
- 1063 0 Settling velocities of coal particles
- 1063 1 The pipeline flow of coal-in-oil suspensions
- 1063 2 Viscosity of suspensions of coal in mineral oil
- 1064 1 Mechanisms of coal pyrolysis VI - Reaction patterns in the range 650-degrees to 850-degrees-C
- 1064 2 The reaction of diazonium salts with humic acids and coals: Evidence for activated methylene bridges in coals and humic acids
- 1065 0 On the wetting of carbon surfaces by carbonaceous binders
- 1067 1 Coal-based fertilizers by oxidative ammoniation of coal
- 1068 3 Fertilizers from coal
- 1068 4 On the relationship between chemical structure and coking properties of coal
- 1070 1 On the agrobiological activity of oxidatively ammoniated coal
- 1071 0 The deterioration of caking properties during prolonged agitation of coal in water
- 1071 1 The application of spectroscopic techniques to the structural analysis of coal and petroleum
- 1072 0 Studies on the structure of coals: Part 1. The nature of aliphatic groups
- 1072 1 Hypohalite oxidation of humic acids
- 1072 2 Properties of caking-coals: Destruction of caking propensities by boron trifluoride
- 1073 0 Storage of coal samples
- 1073 2 Reactions of coal with nitrogen/hydrogen mixtures in a discharge
- 1073 3 Reactions of coal with discharge-generated (excited) nitrogen species
- 1074 3 Studies on the structure of coals: 3. Some inferences about skeletal structures
- 1074 4 Studies on the structure of coals: Part 2. The valence state of carbon in coal
- 1074 5 Behaviour differences between Carboniferous and Cretaceous bituminous coals of similar rank
- 1075 4 Advances in coal analysis
- 1076 6 Effects of boron trifluoride sorption on the caking properties of coal
- 1076 7 Coal analysis from well logs
- 1076 9 Use of peat and coal for recovering zirconium from solution
- 1076 10 Production of coke from blends containing weakly caking or non-caking-coals
- 1076 13 Non-aromatic skeletal structures in coal
- 1076 14 Gieseler fluidities and contents of reactive oxygen groups in caking-coals
- 1077 42 Early stages of coal carbonization: Evidence for isomerization reactions

CORPORATE AUTHOR INDEX

- 1077 57 Oxidation of coal by alkaline sodium hypochlorite
 - 1078 56 Assessment of structures in coal by spectroscopic techniques
 - 1078 90 Relationships between chemical structure and technological behavior of coal
 - 1078 181 Reaction of coal with nitronium tetrafluoroborate
 - 1079 27 Evolution of hydrogen during alkylation of coal
 - 1079 48 Non-destructive solubilization of coal
 - 1079 80 Metallurgical cokes from oxidized highly caking coals
 - 1080 1 Use of oil-sands bitumen and its derivatives as hydrogen donors to coal
 - 1080 8 Mesophase behaviour in oil sand bitumen pitch
 - 1080 138 Polymeric structure of coal. 3. Re-examination of the role of ether bonds in reduction of molecular weight of a low-rank vitrinite treated with hydrogen donor
 - 1081 44 E.s.r. measurements on asphaltene and resin fractions from various separation methods
 - 1179 2 A look into the long range involvement of Alberta in coal research
 - 1181 36 Coal utilization trends in Alberta
- ALCOA LABORATORIES, ALCOA CENTER, PENNSYLVANIA
- 0681 107 Extracting alumina from anthracite coal waste
- ALCOA TECHNICAL CENTER, PITTSBURGH, PENNSYLVANIA
- 0279 232 Solid SRC - a building block
- ALGAS RESOURCES LTD., CALGARY, ALBERTA
- 0481 150 Method for recovering methane from coal seams
- ALL UNION SCIENTIFIC RESEARCH INSTITUTE OF ANTICORROSION PROTECTION OF METALS, MOSCOW, USSR
- 0280 127 CO//2 pretreatment prevents calcium carbonate formation
 - 1080 78 Carbonaceous cast-moulding composition
- ALL UNION SCIENTIFIC RESEARCH INSTITUTE, LENINGRAD, USSR
- 0380 72 Process for the production of alumina from mineral component of solid fuels
 - 0478 305 Determination of abutment pressure and assessment of stability of seam edges and pillars with postlimiting deformations
- ALLEN BRADLEY CANADA LTD., CAMBRIDGE, ONTARIO
- 0379 18 Programmable logic control applied to a coal preparation plant complex
- ALLIANCE RESEARCH CENTER, ALLIANCE, OHIO
- 0681 97 Test results of the EPRI/B&W 6'x 6' fluidized bed combustor
- ALLIED CHEMICAL CORPORATION, IDAHO FALLS, IDAHO
- 0673 20 Application to combined-cycle power production of fluid-bed technology used in nuclear-fuel reprocessing
 - 0678 129 HTGR fuel reprocessing fluidized-bed burner development at ACC
- ALLIED CHEMICAL CORPORATION, MORRISTOWN, NEW JERSEY
- 0280 229 Novel approach to coal liquefaction utilizing hydrogen sulfide and carbon monoxide
 - 0280 267 Novel anionic phosphine transition metal hydride complexes and their application to the catalytic hydrogenation of polar organic compounds
 - 1080 20 Chemical reduction of sulphur dioxide to free sulphur with lignite and coal -- 1. Steady-state reaction chemistry and interaction of volatile components.
 - 1080 21 Chemical reduction of sulphur dioxide to free sulphur with lignite and coal 2. Kinetics and proposed mechanism
- ALLIS CHALMERS CANADA INC., BELLEVILLE, ONTARIO
- 0882 69 Overland conveyor systems

- ALLIS CHALMERS CORPORATION, MILWAUKEE, WISCONSIN
 0180 287 Retrofit of oil and gas-fired generating plants - an analysis of alternative strategies
 0580 66 Apparatus for removing particulates from the exhaust gases generated in drum mixers and aggregate dryers
- ALSID, SNOWDEN & ASSOCIATES, BELLEVUE, WASHINGTON
 0579 1 Solvent-Refined-Coal (SRC) process: Environmental Program, R&D Report No. 53, Interim Report No. 27, Volume III: Pilot-plant development work, Part 5: Environmental program for the period July 1977 - June 1978
- AMACO RESEARCH CENTER, NAPERVILLE, ILLINOIS
 0280 45 Experimental techniques for studying the fluid dynamics of the H-coal reactor
- AMAX COAL COMPANY, INDIANAPOLIS, INDIANA
 0479 75 OSM regulations affecting the opening of new surface mines
 0579 93 Prime farmland reclamation
- AMAX EXTRACTIVE R&D, GOLDEN, COLORADO
 0882 57 Laminar transport of Bingham plastic slurries
- AMCOL COMPANY, KRIEL DIVISION, TRANSVAAL, SOUTH AFRICA
 0480 9 Opencast coal mining at Kriel colliery
- AMERICAN AIR FILTER, LOUISVILLE, KENTUCKY
 0381 62 Dust control for coal handling: Design considerations and solutions
- AMERICAN AIR FILTER, O'HARA, PENNSYLVANIA
 0381 62 Dust control for coal handling: Design considerations and solutions
- AMERICAN CHEMICAL SOCIETY, WASHINGTON, DISTRICT OF COLUMBIA
 0173 34 Coal gasification
 0178 33 Major, Minor and trace-element balances for the synthane PDU Gasifier - Illinois No. 6 coal.
 0178 34 Effects of underground coal gasification on ground-water quality.
 0178 35 Sampling, analysis and characterization of effluents from the Grand-Forks Energy Research Center's slagging fixed-bed gasifier
 0178 36 Analytical study of the effluents from a high temperature entrained-flow gasifier.
 0178 37 Identification of organic constituents in aqueous effluents from energy-related processes.
 0178 38 Influence of bituminous coal and overburden thermo-mechanical properties on subsidence associated with underground coal conversion
 0377 36 Coal desulfurization, chemical and physical methods
 0578 9 Environmental aspects of the Hygas process
 0578 10 Analysis of volatile polar organics in untreated byproduct waters from coal conversion processes
 0578 11 Coal humic substances for pollution control in the synthetic-fuels industry
 0578 12 Expanded coal production environmental implications and policy considerations
 1073 4 Trace-elements in fuel
 1077 34 Organic chemistry of coal
 1078 11 On the distribution of organic sulfur functional groups in coal.
 1078 12 Aliphatic structures in coal
 1177 44 Symposium on coal dilemma: How and where to use it
- AMERICAN CYANAMID COMPANY, STAMFORD, CONNECTICUT
 0380 62 Process for beneficiation of non-sulfide iron-free ores
 0380 70 Process for dewatering mineral and coal concentrates
 0380 71 Dewatering aid for processing mineral concentrates
 0380 99 Process for beneficiation of phosphate and iron ores
 0380 151 Process for dewatering mineral concentrates
 0380 155 Process for dewatering mineral concentrates

CORPORATE AUTHOR INDEX

- AMERICAN ELECTRIC POWER FUEL SUPPLY, LANCASTER, OHIO
 - 0379 105 The utilities perspective of coal utilization & preparation
- AMERICAN ELECTRIC POWER SERVICE CORPORATION, NEW YORK, NEW YORK
 - 0180 286 Coal electric generation and coal gasification as home energy sources
- AMERICAN ENERGY RESEARCH COMPANY, MCLEAN, VIRGINIA
 - 0280 222 Opportunities for coal to methanol conversion
- AMERICAN GAS ASSOCIATION, ARLINGTON, VIRGINIA
 - 0179 341 The role of high-btu coal gasification technology
- AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS, SAN LUIS OBISPO, CALIFORNIA
 - 0176 71 Monograph on alternate fuel resources, Vol 20
- AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, NEW YORK, NEW YORK
 - 0164 0 Hydrocarbons from oil-shale, oil-sands and coal
 - 0164 1 Market control on the development of the Athabasca Oil Sands
 - 0164 2 Development of the Swedish shale-oil industry
 - 0164 3 Retorting of Yugoslav (Aleksinac) oil-shale by gas combustion retort
 - 0164 4 Physical structure of Green-River oil-shale
 - 0164 5 Composition and reactions of oil-shale of the Green-River-Formation
 - 0164 6 Effect of retorting temperature on the composition of shale-oil
 - 0164 7 Methane, Ethane, and Propane from American Oil-Shales by hydrogasification: Green-River-formation shale and shales of the Eastern United-States and New-Brunswick
 - 0164 8 Countercurrent combustion: A process for retorting oil-shale
 - 0164 9 Hydrorefining of diesel-fuel and crude-oil derived from Aleksinac oil-shales
 - 0164 10 Conversion of solid fossil-fuels to high heating value pipeline-gas
 - 0164 11 Pilot plant experiments in slagging gasification
 - 0164 12 Latest developments in oil-shale mining equipment
 - 0177 90 Coal processing technology, Volume 3
 - 0178 272 Coal processing technology, Volume IV
 - 0277 132 Fluidization theories and applications
 - 0576 8 Energy and the environment. Proceedings of the fourth national conference
 - 0678 139 Fluidization: Application to coal conversion processes
- AMERICAN MEDICAL ASSOCIATION, CHICAGO, ILLINOIS
 - 0579 39 Health evaluation of energy-generating sources
- AMERICAN NATURAL RESOURCES CO., DETROIT, MICHIGAN
 - 0181 212 Financing a synthetic fuels project
- AMERICAN NATURAL SERVICE COMPANY, DETROIT, MICHIGAN
 - 0181 89 Gasification of Western coal: fuel for thought
 - 0181 235 Low-Btu gasification of Northern Plains lignite in a commercial-sized unit
- AMERICAN OIL COMPANY, WHITING RESEARCH LABORATORIES, WHITING, INDIANA
 - 0267 0 Evaluation of project H-Coal
- AMERICAN SOCIETY FOR TESTING AND MATERIALS, PHILADELPHIA, PENNSYLVANIA
 - 0776 6 Field description of coal
 - 0776 7 Further suggestions about coal description in the field
 - 0776 8 Megascopic description of coal with particular reference to seams in southern Illinois
 - 0776 9 Compromise in coal seam description
 - 0776 10 Correlation of weathered lignite with pH and depth of cover
 - 0776 11 Megascopic description of coal drill cores
 - 0776 12 Field description and characterization of coals sampled by the Oklahoma geological survey, 1971 - 1976

CORPORATE AUTHOR INDEX

- AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, ST. JOSEPH, MICHIGAN
0577 39 Soil erosion and sedimentation
- AMERICAN STANDARD INC., PITTSBURGH, PENNSYLVANIA
0481 45 A technique for optimal sequential maintenance scheduling
- AMES LABORATORY, AMES, IOWA
0680 157 High-temperature chlorination of coal fly ash
- AMES STATE UNIVERSITY, AMES, IOWA
0279 31 Alloy evaluation for fossil-fuel process plants (Liquefaction). Annual Report, October, 1978 through September, 1979
- AMHERST COAL CO., AMHERST, WEST VIRGINIA
0482 48 Training of front line foremen
- AMHERST COAL CO., BUFFALO, NEW YORK
0479 77 Five years of worker incentives at Amherst coal
- AMINOIL U.S.A. INC., HOUSTON, TEXAS
0380 36 Smaller gravel and coated screens enhance 50-year-old (oil) field
- AMN, GENDVA, ITALY
1179 30 Energy: The only possible options
- AMOCO OIL COMPANY, CHICAGO, ILLINOIS
0280 64 Common crude unit problems, remedies
- AMOCO OIL COMPANY, NAPERVILLE, ILLINOIS
0178 131 In-situ infrared study of carbon monoxide hydrogenation over supported ruthenium
0178 348 The modeling of cavity formation during underground-coal-gasification
0278 83 Relation of coal liquefaction catalyst properties to performance
0278 116 H-Coal fluid dynamics topical report, Part 1: Literature search
0279 218 Coal liquefaction catalyst development, Quarterly Progress Report No. 1, March - June, 1979
0279 219 Coal liquefaction catalyst development, Quarterly Progress Report No. 2, July - September, 1979
0279 220 Coal liquefaction catalyst development, Quarterly Progress Report No. 3, October - December, 1979
0280 265 H-coal fluid dynamics - Study of ebullated bed fluid dynamics for H-coal - Final Report
- AMOCO UK EXPLORATION LTD., LONDON, UNITED KINGDOM
0679 196 The economics of near-term alternatives for coal based electricity generation
- AN DER ZECH HEINRICH, ESSEN, GERMANY
0280 30 General aspects of coal solubility
- ANDERSEN 2000 INCORPORATED, ATLANTA, GEORGIA
0682 23 Particulate and SO₂/2 removal with wet scrubbers
- ANG COAL GASIFICATION COMPANY, DETROIT, MICHIGAN
0182 35 What's happening with coal gasification technology
0182 45 The Great Plains gasification project
- ANGLO AMERICAN CORPORATION OF SOUTH AFRICA LIMITED, JOHANNESBURG, SOUTH AFRICA
0377 81 Coal beneficiation
0480 139 Strip mining at Arnot Colliery

CORPORATE AUTHOR INDEX

- ANGLO GREAT LAKES CORPORATION LTD., NEWCASTLE UPON TYNE, UNITED KINGDOM
 0681 82 Arc-steel electrodes from coal via solvent extraction
 0681 87 The manufacture of artefacts from coal
- ANKARA UNIVERSITY, ANKARA, TURKEY
 1079. 88 Paraffinic hydrocarbons from supercritical-gas extracts of coal as organic geochemical markers
- APOLLO TECHNOLOGIES INC., WHIPPANY, NEW JERSEY
 0479 250 Coal conservation and stabilization during storage
- APPLIED TECHNOLOGY CORPORATION, PITTSBURGH, PENNSYLVANIA
 0672 0 Sulfur dioxide free two-stage coal combustion process
 0672 1 Sulfur dioxide free two-stage coal combustion process
- AQUARIAN CONSULTANTS, LTD., DENVER, COLORADO
 0780 24 Coking-coal deposits in Colorado
- ARCO COAL COMPANY, DENVER, COLORADO
 0181 19 HFEM instrumentation for the Rocky Hill #2 field test
 0181 156 Temperature monitoring aids underground coal gasification tests
 0880 39 Coal de-icing program at ARCO's Black Thunder mine
- ARCO COAL COMPANY, PLANO, TEXAS
 0181 19 HFEM instrumentation for the Rocky Hill #2 field test
- ARCO OIL AND GAS COMPANY, DALLAS, TEXAS
 0182 41 Process improves acid gas separation
- ARCO PETROLEUM PRODUCTS COMPANY, HARVEY, ILLINOIS
 0280 335 Reducing viscosity of coal liquefaction products with additives
- ARGONNE NATIONAL LABORATORY, ARGONNE, ILLINOIS
 0175 29 Coal technology semiannual report
 0175 42 Chemical Engineering Division, Coal technology semiannual report, January - June 1975
 0175 57 Gasification of chars produced under simulated in-situ processing conditions, Quarterly report for the period July - September 1975
 0176 32 Analysis of the Hygas ash-agglomerating gasifier internal cyclone dipleg failure: Failure analysis report
 0176 33 Synthane gasifier distributor cone thermocouple sheath (TE-268) failures
 0176 34 Synthane weld-neck-flange failure: Failure analysis report
 0176 86 Corrosion behavior of materials for coal gasification applications
 0176 98 A study of the state-of-the-art of instrumentation for process control safety in large-scale coal gasification, liquefaction, and fluidized-bed combustion systems. Final report
 0176 99 Gasification of chars produced under simulated in-situ processing conditions. Annual report for the period October 1975 - September 1976
 0176 103 Ceramic coatings for components exposed to coal-gas environments: A review
 0177 75 EBV ball-valve stem failure - Synthane coal gasification pilot plant: Failure analysis report
 0177 151 Thermodynamic equilibria of multicomponent gas mixtures
 0177 155 Corrosion behavior of type 310 stainless steel in coal gasification environments
 0177 173 GASCON and MHDGAS: Fortran IV computer codes for calculating gas and condensed phase compositions in the coal-fired open cycle MHD system
 0177 194 The proceedings of the 1977 symposium on instrumentation and process control for fossil demonstration plants
 0177 199 Review of the state of the art of flow and analysis instruments
 0178 158 Reaction characteristics during in-situ gasification of Western sub-bituminous coals
 0178 196 Corrosion resistance of refractories exposed to molten acidic coal-ash slags
 0178 201 Evaluation of ceramic refractories for slagging gasifiers: Summary of progress to date
 0178 248 Dust removal from hot and compressed-gas streams by fibrous and granular-bed filters: a state-of-the-art review

- 0178 280 Coal conversion instrumentation
 0178 294 The proceedings of the 1978 Symposium on Instrumentation and control for fossil demonstration plants
 0178 389 Laboratory support for in situ gasification: Reaction kinetics
 0178 403 Corrosion problems in coal conversion processes
 0179 5 Stability of extractable organic constituents in stored samples of gasification condensates inferred from comparisons of GC/MS total ion-chromatograms
 0179 47 Laboratory support for in-situ gasification -- reaction kinetics. Annual report October 1976 - September 1977
 0179 68 Application of availability engineering to coal gasification systems: A study of a Woodall/Duckham low-Btu gasifier system
 0179 74 Removal of organic constituents in a coal gasification process wastewater by activated sludge treatment
 0179 346 The economic and social costs of coal gasification versus coal electricity for providing space heat to the central U.S.
 0180 34 Overview of coal conversion process instrumentation
 0180 60 Determination of biological removal of organic constituents in quench waters from high-btu coal-gasification pilot-plants
 0180 154 Utilization of coal slag from pressurized coal-gasification plants
 0180 178 The erosion of a type 310 stainless steel cyclone from coal gasification pilot plant
 0180 179 Development of a noninvasive acoustic leak detection system for large high pressure gas valves
 0180 182 Corrosion and mechanical behavior of materials for coal gasification applications
 0180 210 Compatibility of water-cooled refractories with a basic coal-ash slag at 1500-deg-C
 0180 284 Analysis of failed transfer line from the IGT HyGAS coal gasification pilot plant
 0180 296 Analysis of failed thermocouple assemblies from the IGT HyGAS coal-gasification pilot plant
 0180 301 Analysis of failed transfer line from the IGT Hygas coal gasification pilot plant
 0181 82 Ultrasonic properties of coal slurries and flow measurements by cross correlation
 0181 103 A preliminary assessment of the integration of a coal gasifier into a petroleum refinery
 0181 136 Alkali attack on a mullite refractory in the Grand Forks Energy Technology Center slagging gasifier
 0181 186 Status of molten carbonate fuel cell program
 0181 241 Selection of refractories for slagging coal-conversion systems
 0182 10 Isolation of mutagenic aromatic amines from a coal conversion oil by cation exchange chromatography
 0182 21 Effect of trace metal ions on the analysis of synthetic fuel samples
 0276 70 Coal liquefaction support studies. Annual report, October 1975 - September 1976
 0277 51 Nondestructive evaluation needs for coal liquefaction
 0277 118 Multiphase flow of gas-liquid and gas-coal slurry mixtures in vertical tubes
 0278 124 Development of a calorimeter to determine heats of reaction of hydrogen with coal and coal slurries
 0278 29 Description, calibration, and preliminary testing of the coal liquefaction heat-transfer coefficient measurement test unit
 0279 35 Development of an HPLC, GC/MS method for analysis of Hygas oil samples
 0279 196 Characterization of hydrolytically solubilized coal
 0280 215 Catalysis of the hydrogen evolution reaction by gold sols
 0477 143 Abandoned coal mine refuse areas: Their reclamation and use
 0478 123 Environmental control technology program studies at Argonne National Laboratory: Surface mine effluents
 0480 160 Environmental control technology survey of selected U.S. strip mining sites Volume 28: Alabama
 0576 30 Environmental control implications of generating electric-power from coal Technology Status Report Volume I
 0576 31 Environmental control implications of generating electric-power from coal Technology Status Report Volume II
 0577 7 Assessment of water quality impacts of a western coal mine
 0577 69 The environmental effects of using coal for generating electricity
 0577 75 Modeling long-term coal production with the Argonne Coal Market model August 1977
 0577 79 Microbial ecology of coal mine refuse
 0578 113 A biologist's manual for the evaluation of impacts of coal fired power plants on fish, wildlife, and their habitats
 0579 13 Regeneration of sulfated limestone from FBCs and corrosive effects of sulfation accelerators in FBCs. Annual Report July 1977 - September 1978
 0579 23 Land reclamation program. Annual report 1978
 0579 78 An assessment of the local air quality impacts of increased coal use resulting from implementation of the National Energy Plan
 0579 84 A bibliography of selected references on the effects of coal mine pollutants on aquatic ecosystems
 0579 88 Multidisciplinary approach to reclamation of abandoned refuse sites

CORPORATE AUTHOR INDEX

0580	20	Hydration enhanced sulfation of limestone and dolomite in the fluidized-bed combustion of coal
0580	137	Sampling and analysis of trace-organic constituents in ambient and workplace at coal-conversion facilities
0580	189	Environmental-control considerations in the production and use of solvent-refined coal
0581	61	Analysis of industrial boiler solid waste impacts
0581	72	Groundwater pollution resulting from disposal of pyritic coal wastes
0581	84	Synthetic fuel effluents
0581	99	The Northeast regional environmental impact study - Waste Disposal technical report
0673	1	Bench scale development of combustion and additive regeneration in fluidized-beds
0676	17	A development program on pressurized fluidized-bed combustion. Annual report July 1975 - June 1976
0676	19	Report on the air preheater system for the MHD component development integration facility. Butte, Montana. Fluidyne report 1079
0676	21	CDIF combustor design. Final report
0676	22	CDIF instrumented test section. Final report
0676	24	TRW 25-MWT staged MHD coal combustor conceptual design study
0677	33	High temperature coal and slurry combustor according to a one-dimensional flow model
0677	39	Reducing the environmental impact of solid wastes from a fluidized-bed combustor
0677	60	Coal-feed component testing for CDIF
0677	69	Slag flow model for coal combustion with sulfur emission control by limestone or dolomite
0677	74	Neutron induced gamma spectrometry for on line compositional analysis in coal conversion and fluidized-bed combustion plants
0677	79	Conference on high temperature sciences related to open cycle, coal-fired MHD systems
0677	130	Supportive studies in fluidized-bed combustion
0677	153	Design status of the pressurized-fluidized-bed combustion component test and integration unit
0677	175	Sulfated limestone regeneration and general FBC support studies
0677	233	An analysis of the high-temperature particulate collection problem
0677	237	An analysis of a high-temperature coal combustor according to a one-dimensional flow model
0678	21	Factors limiting limestone utilization efficiency in fluidized-bed combustors
0678	31	Pressurized fluidized-bed combustion/component test and integration unit preliminary design report
0678	77	Evaluation of available MHD seed regeneration processes on the basis of energy considerations
0678	78	Highlights of studies on fluidized-bed combustion of coal - 1977
0678	79	Slag transport models for vertical and horizontal surfaces
0678	88	Testing of a pulsed L-valve feeder for use in fluidized-bed combustion and sorbent regeneration units
0678	93	A slug flow model for coal combustion and desulfurization in fluidized-beds: theoretical formulation
0678	100	Regeneration of calcium-sulfate from fluid-bed combustion of coal: Process design and cost estimate
0678	133	Regeneration of sulfated dolomite by reductive decomposition with coal in a fluidized-bed-reactor
0678	134	High-temperature fluidization and agglomeration characteristics of limestone and coal-ash particle systems
0678	150	The effect of sodium-chloride on the reaction of SO ₂ /O ₂ mixtures with limestones and dolomites
0678	159	U.S./U.S.S.R. cooperative program in open-cycle MHD electrical power generation. Joint test report No. 1.
0678	159	Initial Test of the U-25B facility: Shutdown Test No. 1 and MHD Generator Test No. 2
0678	165	Program plan for development of heat and seed recovery components for a coal-fired, open-cycle MHD power-plant
0678	185	Open-cycle magnetohydrodynamic electrical power generation
0678	189	Support studies in fluidized-bed combustion. Annual Report July 1977 - Sept. 1978
0678	197	Current and advanced NO _x -control technology for coal-fired industrial boilers
0678	200	Evaluation of on-line light-scattering optical particle analyzers for measurements at high temperature and pressure
0678	211	Control technology for fine-particulate emissions
0678	227	Use of oil-shale for control of sulfur-dioxide emissions from the combustion of coal
0678	231	Nucleation and evolution of slag-droplets in coal combustion
0679	3	Parametric study of the performance of a CDIF 1-B coal-fired MHD generator
0679	6	Analytical studies of oxides of nitrogen decomposition in the radiant boiler of an open-cycle MHD power-plant
0679	9	Technical support for open-cycle MHD program
0679	22	Membrane oxygen enrichment cost and application evaluation
0679	32	Alkali emission during combustion of coals at the normal temperature range of PFBCs
0679	35	U.S./U.S.S.R. cooperative program in open-cycle MHD electrical power generation
0679	38	Evaluation of ceramic refractories for corrosion behavior by molten slag-seed mixture of a coal-fired open-cycle MHD system
0679	39	The effect of CaCl ₂ //2 additive on the reaction of SO ₂ //O ₂ //2 mixtures with carbonate rocks

- 0679 51 Liquid-metal MHD energy conversion status report March 1978 - September 1977
 0679 177 Wall combustion in high-swirl combustors
 0680 6 Use of oil-shale for SO₂/2 emission-control in atmospheric-pressure fluidized-bed coal combustors
 0680 42 The effects of calcium chloride on limestone sulfation in fluidized-bed coal combustion
 0680 125 Removal of gaseous alkali metal compounds from hot flue gas by particulate sorbents
 0680 142 Volatility of selected minor and trace elements in the low-temperature ash of an Illinois Herrin No. 6 coal
 0680 153 Process costs and flowsheets, bed defluidization characteristics, stone reactivity changes and attrition losses for a regenerative fluidized-bed combustion process
 0680 155 Assessment of energy and economic impacts of particulate-control technologies in coal-fired power generation
 0680 198 Liquid-metal MHD for solar and coal: system and component status
 0680 205 Thermochemistry of seed and slag vaporization and condensation in coal-fired MHD
 0680 224 New liquid-metal MHD concepts for solar and coal
 0680 232 Coal-fired open-cycle liquid-metal magnetohydrodynamic topping cycle for retrofit of steam power plants
 0680 237 Sorbent utilization prediction methodology: sulfur control in fluidized-bed combustors
 0681 50 Construction program for a large superconducting MHD magnet system at the coal-fired flow facility
 0681 99 Molten carbonate fuel cell systems development
 0681 113 Heat transfer scaling laws for MHD channels and diffusers
 0681 129 Convective and radiative heat transfer in MHD radiant boilers
 1076 27 Coal blending in Illinois
 1077 21 A study of the volatility of minor and trace-elements in Illinois-coal
 1077 40 Oxidative degradation studies of coal and solvent-refined-coal
 1077 91 Instrumentation and process control for fossil demonstration plants, Annual Technical Progress Report, Oct. 1976 - Sept. 1977
 1078 57 Trapped organic compounds and aromatic units in coals
 1078 80 Gamma radiography of refractory lined vessels and components
 1078 113 Chemical activities of alkali-sulfates in hot corrosion
 1078 121 Characterization of organic acids trapped in coals
 1079 54 Use of small accelerators in coal analysis and coal slurry flow measurements
 1079 104 Lignin-like polymers in coals
 1080 17 Characterization of a complex mixture of aromatic and heterocyclic acids obtained from oxidation of lignite coal and its solvent-refined products
 1080 73 Treatment of Green River oil-shale by carbon-dioxide: evidence for association of bitumen and carbonate materials
 1080 118 Characterization of heteroaromatics in coals and coal products
 1081 26 Investigation of aqueous sodium dichromate oxidation for coal structural studies
 1081 27 Is kerogen-like material present in coal? 1. Buffer-controlled permanganate oxidation of coal
 1081 28 Is kerogen-like material present in coal? 2. Chromic acid oxidation of coal and kerogen
 1081 82 Aromaticities of various coals measured by reaction with fluorine and TGA-DTA studies of the reaction products
 1081 171 Structural characterization of coal: Lignin-like polymers in coals
 1082 0 Separation of coal macerals
 1176 8 A socioeconomic assessment of energy development in a small rural county: coal gasification in Mercer-County, North-Dakota
 1177 37 An evaluation of regional trends in power-plant siting and energy transport
 1177 38 Survey of electric utility demand for western coal
 1177 40 The price and availability of low sulfur coal in eastern markets July 1977
 1177 41 Effects on regional coal markets of the best available control technology policy for sulfur emissions
 1179 9 An assessment of national consequences of increased coal utilization, executive summary, Volume 1
 1179 10 An assessment of national consequences of increased coal utilization, executive summary, Volume 2
- ARISTOTLE UNIVERSITY, THESSALONIKI, GREECE
 1079 92 On the radioactivity of fly-ashes from coal power-plants
- ARIZONA BUREAU OF MINES, TUSCON, ARIZONA
 0777 19 Chemical analyses of coal samples from the Black Mesa field, Arizona

ARIZONA STATE UNIVERSITY, TEMPE, ARIZONA
0281 295 CBED Identification of type 3C pyrrhotite in coal liquefaction product

ARKANSAS POWER AND LIGHT COMPANY, LITTLE ROCK, ARKANSAS
0181 187 Gasification/cogeneration - status and potential

ARKANSAS TECHNICAL UNIVERSITY, RUSSELLVILLE, ARKANSAS
0281 134 Liquid chromatography on silica using mobile phases containing aliphatic carboxylic acids. II. Applications in fossil fuel characterization

ARMCO INC., CHARLESTON, WEST VIRGINIA
0479 203 Armco - a case study of federal surface mining compliance problems

ARMCO, ASHLAND, KENTUCKY
0681 139 Technical and economic aspects of coal injection at blast furnace tuyeres

ARNOLD ENGINEERING DEVELOPMENT CENTER, ARNOLD AIR FORCE STATION, TENNESSEE
0675 11 Annual report on the MHD high performance demonstration experiment, Nov. 1973 - April 1975
0678 186 Report on the MHD performance demonstration experiment for the period October 1976 to September 1977
0679 33 Report on the MHD performance demonstration experiment for the period October 1977 to September 1978

ARO, INC., ARNOLD AIR FORCE STATION, TENNESSEE
0677 223 Final report on the design of the MHD generator channel for the high performance demonstration experiment

ARTHUR D. LITTLE, INC., CAMBRIDGE, MASSACHUSETTS
0278 174 Assessment of fuels for power generation by electric utility fuel cells
0377 61 Application of scrubbing systems to low sulfur/alkaline ash coals
0476 9 Technical services for mine communications research. Commercially available equipment for coal mine emergency warning systems
0477 145 Conceptual design of a fully automated continuous mining system operating under remote supervisory control. Final report
0579 51 Health and environmental impacts of increased generation of coal ash and flue gas desulfurization sludges
0882 5 Development of coal/liquid CO//2 slurry transportation - current status

ARTHUR G. MCKEE & COMPANY, CLEVELAND, OHIO
0279 131 Coal - an alternate fuel for thermal enhanced oil recovery steam generation - final report
0678 86 Definition of scale model slurry mixing/distribution facility

ARTHUR L. CONN & ASSOCIATES LIMITED, CHICAGO, ILLINOIS
0181 60 Development work paves the way for synfuels industry
0281 104 Conversion of coal to oil and gas
0281 320 Why synthetic fuels?

ARTHUR YOUNG & COMPANY, WASHINGTON, DISTRICT OF COLUMBIA
0381 72 Blending coal with a small computer

ARTIC ENVIRONMENTAL INFORMATION AND DATA CENTER, ANCHORAGE, ALASKA
0579 15 Comprehensive bibliography and index of environmental information for the Beluga-Susitna, Nenana and Western Arctic coal fields. Volume III

ASHLAND OIL INC., ASHLAND, KENTUCKY
0279 117 H-coal project
1078 129 Comparative characterization and hydro-treating response of coal, shale, and petroleum liquids

ASHLAND SYNTHETIC FUELS INC., ASHLAND, KENTUCKY

- 0279 105 Status and plans of H-coal pilot-plant
0281 148 The H-coal technology progress toward commercialization

ASSOCIATED MINING CONSULTANTS LTD., EDMONTON, ALBERTA

- 0382 13 Dewatering of tailings

ASSOCIATED UNIVERSITIES, INC., UPTON, NEW YORK

- 0180 300 Flash hydrolysis of coal - Quarterly Report No. 12, January 1 - March 31, 1980

ASSOCIATES OF MINING ELECTRIC & MECHANICAL ENGINEERS, MANCHESTER, UNITED KINGDOM

- 0478 125 Phase sensitive short circuit protection

ATLANTIC RESEARCH CORPORATION, ALEXANDRIA, VIRGINIA

- 0380 64 Coated coal piles
0681 143 The development of coal-water slurries as a boiler fuel
0681 199 Preparation and burning of coal/water slurry
0878 44 Development of coatings for protection of coal during transport and storage. Final report for December 1977 - September 1978

ATLANTIC RESEARCH LABORATORY, HALIFAX, NOVA SCOTIA

- 0282 99 Bibliography coal pyrolysis
0682 49 Erosion resistant ceramics for coal utilization
1081 222 Adsorption - a tool for characterizing coal oxidation

ATLANTIC RICHFIELD COMPANY, HARVEY, ILLINOIS

- 0277 131 Physical property improvement of coal liquefaction products

ATLANTIC RICHFIELD COMPANY, LOS ANGELES, CALIFORNIA

- 0380 89 Inhibiting spontaneous combustion of coal
0381 98 Process for removing sulfur from coal
0678 225 Inhibiting spontaneous combustion of coal char
0680 113 Process for reducing sulfur contaminant emissions from burning coal or lignite that contains sulfur
0681 224 Reduction of the fouling potential of high sodium coal
1081 86 Handling of solid-laden hydrocarbonaceous bottoms in a retort using solid heat-carriers

ATLANTIC RICHFIELD COMPANY, PHILADELPHIA, PENNSYLVANIA

- 0380 105 Process for removing sulfur from coal
0380 106 Process for removing sulfur from coal
0681 73 Process for agglomerating coal

ATMOSPHERIC ENVIRONMENT SERVICE, DOWNSVIEW, ONTARIO

- 0580 13 The fate of particulate emissions from an isolated power plant in the oil sands area of Western Canada
0581 17 Remote SO₂/2 mass flux measurements using COSPEC

AUBURN UNIVERSITY, AUBURN, ALABAMA

- 0276 90 Mechanisms of coal particle dissolution
0278 206 Studies in coal liquefaction with application to the SRC and related processes - final summary report, July 1976 - July 1978

- 0278 225 Characterization of solvent refined coal by high pressure liquid chromatography and other analytical techniques

- 0279 45 Studies in magnetochemical engineering. 1. A pilot-scale study of high-gradient magnetic desulfurization of solvent-refined-coal

- 0279 66 Further studies of catalytic activity of coal minerals in coal liquefaction 2. Performance of iron and SRC mineral residue, as catalysts and sulfur scavengers

- 0279 92 Further studies of the catalytic activity of coal minerals in coal liquefaction. 1. Verification of catalytic activity of mineral matter by model compound studies

CORPORATE AUTHOR INDEX

0279 111	Selectivity improvement in the SRC process
0279 179	The selectivity of coal minerals and SRC residue ashes for hydrodesulfurization in the SRC process
0279 181	The effect of solvent quality on coal conversion
0280 35	Selectivity improvement in the solvent refined coal process: 1. Detailed first-stage reaction studies - coal mineral catalysts
0280 43	Iron and coal minerals as sulfur scavengers in coal liquefaction
0280 179	Pyrite-catalyzed hydrogenolysis of benzoanthropene at coal liquefaction conditions
0280 192	Selectivity improvement in the solvent refined coal process. 2. Detailed second-stage reaction studies: Hydrotreating of coal liquids
0280 193	Selective action of hematite in coal desulfurization
0280 288	Hydrotreating of SRC I product - optimization of process variable space
0281 102	Coal solvolysis with a series of coal-derived liquids
0281 165	An investigation of the effect of air-oxidation on coal liquefaction
0281 199	Development of two stage coal liquefaction using a first stage disposable catalyst with second stage hydrotreatment
0281 205	The effect of pyrite catalysts on the kinetics of direct coal liquefaction
0281 243	Hydrotreating of SRC-I product. Optimization of process variable space
0281 288	Effect of mechano-chemical pretreatment on coal liquefaction
0282 57	Reduction of iron sulphates during coal liquefaction
0377 46	Desulfurization of coals by high-intensity high-gradient magnetic-separation: Conceptual process design and cost estimation
0579 70	Synthesis and optimization of a multi-stage process for hydrodesulfurization of coal - dissertation
1080 30	Spectroscopic investigations of solvent-refined coal fractions
1082 28	Identification of clay minerals in coal by selective cation saturation
AUSTRALIAN ATOMIC ENERGY COMMISSION, NEW SOUTH WALES, AUSTRALIA	
0381 63	Determination of the ash content of coal using annihilation radiation
1079 85	Measurement of specific energy, ash and moisture in bulk coal samples by a combined neutron and gamma-ray method
AUSTRALIAN COAL INDUSTRY RESEARCH LABORATORIES LIMITED, NORTH RYDE, AUSTRALIA	
0278 109	Non catalytic hydrogenation of Australian coals
0279 203	Hydroliquefaction of Australian coals
0280 297	Continuous hydroliquefaction tests of Australian brown coal
0376 19	Methods for providing reliable data for coal preparation plant design
0379 130	Optimization of coal preparation, design based on exploration data
0480 23	Field Trial of a new mining method for thick seam coal-mining
0577 67	Assessment of a laboratory technique for predicting the precipitability of fly-ash derived from a coal bore core
AUSTRALIAN HIGH COMMISSION, OTTAWA, ONTARIO	
0281 220	Coal conversion - the Australian perspective
AUSTRALIAN INSTITUTE OF MINING & METALLURGY, SOUTHERN QUEENSLAND, AUSTRALIA	
0380 5	On-stream analysis for ash in coal slurries
0477 119	Symposium on coal borehole evaluation
AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES, FREWVILLE, AUSTRALIA	
0680 182	Calcination of bauxite pisolites and phosphate rock using a coal-fired fluidized bed
AUSTRALIAN PAPER MANUFACTURER, FAIRFIELD, VICTORIA	
1080 22	Rheological behaviour of Victorian-Brown-coal
AVCO CORPORATION, S/D, LOWELL INDUSTRIAL PARK, LOWELL, MASSACHUSETTS	
0173 37	Deuterium and carbon-13 tagging studies of the plasma pyrolysis of coal

- AVCO EVERETT RESEARCH LABORATORY, INC., EVERETT, MASSACHUSETTS
- 0179 223 Coal gasification in steam at very high-temperatures
 - 0180 57 Hot gas cleanup by a confined-vortex scrubber
 - 0181 101 The Avco gasifier in a combined cycle power plant
 - 0280 333 Indirect liquefaction via the Avco coal gasification system
 - 0676 21 CDIF combustor design. Final report
 - 0676 22 CDIF instrumented test section. Final report
 - 0677 122 Controlled utilization of coal slag in the MHD topping cycle
 - 0677 126 Development program for MHD power generation. Disk generator performance. Final report, Volume 2
 - 0677 134 Development program for MHD power generation. Volume 4. Superconducting magnet study. Final report, July 1975 - June 1976
 - 0677 150 Development program for MHD power generation. Coal devolatilization. Final report, Vol. VI, July 1975 - Sept. 1976
 - 0677 238 Design of superconducting magnets for MHD applications
 - 0678 94 Engineering test facility conceptual design. Final Report, Part 1
 - 0678 233 Mechanistic modeling of pulverized-coal combustion
 - 0678 234 Coal combustor technology development
 - 0678 237 Electrode development for coal-fired MHD-generators
 - 0678 239 Engineering test facility conceptual design Final Report, Part 2
 - 0679 157 Progress in coal combustion research at Avco Everett Research Laboratory Inc.
 - 0680 193 Open-cycle MHD generator channel development
- AVCO, WILMINGTON, MASSACHUSETTS
- 0180 44 Plasma-arc coal chemicals
- B. H. LEVELTON & ASSOCIATES LIMITED, VANCOUVER, BRITISH COLUMBIA
- 0181 44 A study of the suitability of British Columbia and Nova Scotia coal resources for underground gasification
 - 0679 201 Study of corrosion and erosion of fluid bed coal combustor boiler tubes - report on Phase I
- BABCOCK & WILCOX COMPANY, ALLIANCE, OHIO
- 0278 66 Characteristics of Solvent-Refined-Coal: Dual register burner tests
 - 0280 37 Characterization and combustion of SRC 11 fuel oil
 - 0373 0 Western coals - laboratory characterization and field evaluations of cleaning requirements
 - 0667 1 Burning profiles for solid fuels
 - 0669 1 Coal ash deposition studies and application to boiler design
 - 0677 160 6 feet by 6 feet FBC development facility
 - 0677 261 Fuel and ash evaluation to predict electrostatic precipitator performance: a progress report
 - 0678 257 Fuel and ash characterization and its effect on the design of industrial boilers
 - 0678 258 The pulverization and combustion of solvent refined coal - laboratory and pilot studies
 - 0679 76 Pulverized coal firing with fluidization
 - 0679 77 NO_x emissions controlled by design in pulverized coal burner-boiler
 - 0679 99 Fluidized-bed combustion technology for industrial boiler of the future - A progress report
 - 0679 144 B&W/EPRI fluidized bed development program
 - 0680 148 Study of Seed Reprocessing systems for coal fired open cycle coal fired MHD power plants: Task I. Selection of processes for more detailed study
 - 0681 220 Alloy corrosion in an atmospheric fluidized bed coal combustion test unit
 - 1059 5 Relationship of coal-ash viscosity to chemical composition
 - 1076 31 Empirical correlation of coal ash viscosity with ash chemical composition
- BABCOCK & WILCOX COMPANY, BARBERTON, OHIO
- 0176 48 Design and cost estimate of a 20-ton-per-hour pulverized-coal, suspension-type, pressurized gasification system test facility. Volume 1
 - 0176 69 Design and cost estimate of a 20-ton-per-hour pulverized-coal, suspension-type, pressurized gasification system test facility. Final report: Vol. 11
 - 0580 26 Further development of an advanced low-nitrogen-oxide (NO_x) combustion system and its potential application to coal-fired utility boilers
 - 0665 0 Utilization of solid fuel having lignite type ash

CORPORATE AUTHOR INDEX

0667	1	Burning profiles for solid fuels
0669	1	Coal ash deposition studies and application to boiler design
0674	10	Burning the sub-bituminous coals of Montana and Wyoming in large utility boilers
0677	92	Corrosion in reducing atmospheres - a designer's approach
0677	157	Babcock and Wilcox 3 feet by 3 feet fluidized-bed combustion test facility
0677	195	Fluid bed utility boilers-design considerations
0680	140	Coal-fired cycling operation at Illinois Power's Havana Station
0680	222	6 X 6 fluidized-bed development facility: a status report
0681	200	Investigation of coal-water mixtures
0877	9	Babcock & Wilcox's experience with two-phase flow mixtures of coal and gas
1065	1	Fusibility-viscosity of lignite-type ash
1076	31	Empirical correlation of coal ash viscosity with ash chemical composition
BABCOCK & WILCOX COMPANY, LONDON, UNITED KINGDOM		
0679	79	Design of coal-fired boilers
BABCOCK & WILCOX COMPANY, LYNCHBURG, VIRGINIA		
0177	253	Improvement of the mechanical reliability of monolithic refractory linings for coal gasification process vessels. Annual progress report, July 1976 - June 1977
0178	219	Improvement of the mechanical reliability of monolithic refractory linings for coal gasification process vessels. Second Annual Progress Report for July 1977 - June 1978
0178	350	Affects of various parameters on monolithic refractory linings for coal gasifiers
BABCOCK POWER LTD., LONDON, UNITED KINGDOM		
0681	79	Slagging in boiler furnaces: an assessment technique based on thermal behaviour of coal minerals
0681	101	A laboratory study of the thermal behaviour of coal minerals
BABCOCK HITACHI, K.K., JAPAN		
0678	229	Latest technology for coal-fired boilers
BADGER COMPANY INC., CAMBRIDGE, MASSACHUSETTS		
0177	219	Conceptual design of a coal to methanol commercial-plant, Annual report, July 1976 - July 1977
0178	170	Conceptual design of a coal-to-methanol commercial-plant, Volume II. Commercial-plant economic analysis. Interim report
0178	237	Conceptual designs of commercial facilities coal-to-methanol plant and methanol-to-gasoline plant. Annual report for August 1977 - July 1978
0178	262	Conceptual design of a coal to methanol commercial-plant. Volume IVA. Drawings, specifications, and alternate designs. Interim final report, July 1976 - February 1978
0178	263	Conceptual design of a coal-to-methanol commercial-plant. Volume IVB. Interim final report, July 1976 - February 1978
0178	271	Conceptual design of a coal to methanol commercial plant, Interim final report, Volume 1. Technical
0179	49	Conceptual design of a coal-to-methanol-to-gasoline commercial plant, Volume 4B: drawings, specifications and alternate designs Second interim final report, August 1977 - March 1979
0179	50	Conceptual design of a coal-to-methanol-to-gasoline commercial plant. Second interim final report, August 1977 - March 1979. Volume I, Technical
0179	56	Conceptual design of a coal-to-methanol-to-gasoline commercial plant, Volume 3: Environmental, Second interim final report, August 1977 - March 1979
0179	57	Conceptual design of a coal-to-methanol-to-gasoline commercial plant, Volume 4A: Drawings, specifications and alternate designs, August, 1977 - March, 1979
0179	78	Conceptual design of a coal-to-methanol-to-gasoline commercial plant. Second interim final report, August 1977 - March 1979. Volume II - Commercial plant economic analysis
0179	133	Conceptual design of a coal-to-methanol-to-gasoline commercial-plant. Volume V: Alternate design studies. Second interim final report, Aug. 1977 - March 1979
0179	166	Conceptual design of a coal-to-methanol (plant)
0179	356	Conceptual design of a coal-to-methanol-to-gasoline commercial plant
0278	97	The importance of coal liquefaction process to the chemical industry
0278	138	Conceptual design of a coal to methanol commercial plant. Executive summary. Interim final report, July 1976 -

February 1978

- 0279 126 Conceptual design of a coal-to-methanol-to-gasoline plant
- 0279 128 Dissolved salts in coal conversion wastewater
- 0578 59 Conceptual design of a coal to methanol commercial plant. Volume III. Environmental, Interim Final Report, July 1976 - Feb. 1978
- 0579 48 Pollution control in coal-to-methanol plant

BAKER ENERGY RESOURCES CORPORATION, HOUSTON, TEXAS

- 0182 61 Horizontal drilling for underground coal gasification

BANARAS HINDU UNIVERSITY, INDIA

- 0178 361 Technique of heat supply in coal gasification and carbonization
- 0477 152 High capacity underground coal handling system for moderately thick and inclined coal seams
- 0479 152 Bord & pillar mining with hydraulic sandstowing: an improved plan
- 0779 20 Influence of physico-mechanical properties and geological discontinuities on rock-blasting
- 1078 136 Chemicals from coal

BARNES & REINECKE, INC., ELK GROVE VILLAGE, ILLINOIS

- 0879 32 Steam engine analysis - final technical report

BARNES ENGINEERING COMPANY, STAMFORD, CONNECTICUT

- 0177 208 Infrared radiometry applied to critical temperature measurement in the coal gasification process

BARRETT HAENTJENS & COMPANY, PITTSBURGH, PENNSYLVANIA

- 0882 27 Removal of fines from recirculation water in a coal slurry system

BARRINGER RESEARCH LTD., REXDALE, ONTARIO

- 0581 17 Remote SO₂/2 mass flux measurements using COSPEC

BARTLESVILLE ENERGY TECHNOLOGY CENTER, BARTLESVILLE, OKLAHOMA

- 0278 76 Catalytic hydroliquefaction of coals for hydrocarbon-type analysis in relation to refining
- 0280 218 The composition of liquids from coals of different rank
- 0280 293 Synfuel stability: degradation mechanisms and actual findings
- 0280 326 Thermodynamic properties of materials derived from coal liquefaction
- 0281 236 The composition of liquids from coals of different rank
- 0281 240 Hydrotreatment and biological test of SRC-II coal liquid
- 0282 120 Liquid chromatographic separation of aromatic hydrocarbons with chemically bonded (2,4-dinitroanilinopropyl) silica
- 1079 22 Stability characteristics of hydrocarbon fuels from alternative sources
- 1081 159 Reversed-phase HPLC retention behavior of coal-related nitrogen heterocyclic compounds

BASIC CHEMICALS, CLEVELAND, OHIO

- 0677 105 Reduction of coal-ash deposits with magnesia treatment

BASIC RESOURCES, INC., DALLAS, TEXAS

- 0179 88 Tennessee colony in-situ gasification project - a review
- 0179 89 Tennessee colony steam-oxygen in-situ lignite gasification test
- 0179 102 Field experience with Texas lignite in-situ gasification tests

BASIN ELECTRIC POWER COOPERATIVE, BISMARCK, NORTH DAKOTA

- 0681 214 Cost-effective utilization of waste heat in coal-fired power plants

BATTELLE COLUMBUS LABORATORIES, COLUMBUS, OHIO

- 0166 1 Study of costs of production and potential future markets
- 0174 20 Development of information for standards of performance for the fossil-fuel conversion industry
- 0174 41 Design, installation and operation of a 25-ton-a-day coal gasification process development unit for the agglomerating burner - gasification process

CORPORATE AUTHOR INDEX

0175	44	Workshop Proceedings on Ceramics for Energy Applications
0176	14	Evaluation of the calcium aluminate bond phase in refractory-castables as related to their use in the Synthane gasifier
0176	95	Phase I summary report on a novel approach to coal gasification using chemically-incorporated catalysts
0177	124	A novel dry coal-feeding concept for high pressure gasifiers
0177	152	Synthetic-fuels in the future of energy
0177	218	Gasification of dilute-phase hydrogasification char, Final Report
0177	280	A novel approach to coal gasification using chemically incorporated CaO (phase-II). Summary report, April 1976 - May 1977
0178	109	Determination of the kinetics of hydrogasification of char using a thermobalance
0178	150	Chemicals from coal via gasification and hydrogenation
0178	183	Agglomerating burner gasification process, design, installation, and operation of a 25 ton a day process development unit, Final report: Volume 1
0178	251	Agglomerating burner gasification process. Design, installation, and operation of a 25-ton-day process development unit, Final report, Volume 2
0178	346	High-Temperature Erosion/Corrosion of alloys
0179	8	Final report on study of heat-transfer through refractory lined gasifier vessel walls
0179	227	Utility gas from an agglomerating burner gasifier
0180	173	Correlation of the high-temperature corrosion behavior of structural alloys in coal conversion environments with the components of the alloys and of the corrosive environments
0180	273	Use of low-and medium-energy gas from coal in ceramic processes
0181	96	A technique for depolymerization of bituminous coal
0181	246	Catalyzing coal for industrial gasification
0277	116	Physical properties of synthoil products, Final technical report
0277	122	Catalyst development program for hydrodesulfurization and liquefaction of coal to produce clean boiler fuels, Annual Report, June 1976 - May 1977
0278	65	Evaluation of materials for use in letdown-valves and coal-feed pumps for coal liquefaction service
0278	67	Bench scale coal liquefaction studies
0278	113	Catalyst development program for hydrodesulfurization and liquefaction of coal to produce clean boiler fuels, Final report
0278	172	Short residence time coal liquefaction
0280	237	Short residence time coal liquefaction
0281	183	Thermophysical properties of preheater slurries
0281	184	Production of aromatics, fuel gas, and methanol/gasoline by the direct hydrogenation of catalyzed coal
0281	268	Short-contact-time coal liquefaction: effect of coal rank and solvent source on conversions and heptane-insoluble product compositions
0282	168	Evaluation of materials for use in letdown valves in coal liquefaction systems - Final Report
0282	187	Evaluation of materials for use in letdown valves in coal liquefaction systems
0375	5	The Battelle hydrothermal coal process
0377	39	Direct determination of organic sulfur in raw coals
0377	52	Hydrothermal coal process
0379	117	Environmental assessment of coal cleaning processes. Technology overview
0381	79	New opportunities for coal slurry pipeline technology: pretreatment of eastern caking coals
0381	94	Use of coal cleaning for compliance with sulfur dioxide emission regulations
0577	65	Emissions from the combustion of hydrothermally treated (clean) coal
0580	17	Technical aspects of the lime/limestone scrubbers for coal-fired power plants. Part 1 Process chemistry and scrubber systems
0580	74	Fourier transform infrared spectroscopy for inorganic compound speciation
0580	121	Potential health significance of coal fly ash
0580	203	Chemical properties of bacterial mutagens in stack collected coal fly ash
0674	2	Assessment of the Potential of Clean-Fuels and Energy Technology
0676	20	CDIF combustor instrumented test section, Final report
0677	24	Fluidized-bed combustion: Industrial application demonstration projects, special technical report on Battelle's multi-solids fluidized-bed combustion process
0677	111	Chloride corrosion and its inhibition in refuse firing
0677	125	Testing, identification, and evaluation of commercial and advanced experimental materials and coatings under design conditions simulating fuel power cycle combinations, Task II - Evaluation of heat-exchanger materials

- for use in coal-fired fluidized-bed combustion environment, Monthly technical progress report No. 16
 0677 165 Progress in EPA's fluidized-bed combustion environmental assessment and control technology development program
 0677 197 Battelle's multi-solid fluidized-bed combustion (MS-FBC) process
 0678 196 Testing, identification, and evaluation of commercial and advanced experimental materials and coatings under design conditions simulating fuel power cycle combinations, Final report for the period June 1976 - Nov. 1977
 0679 30 Fluidized-bed combustion-industrial application demonstration projects, Battelle's Multisolid Fluidized-Bed Combustion Process, End-of-phase final report October 1979
 0679 106 Erosion-corrosion effects on boiler tube metals in a multisolids fluidized-bed coal combustor
 0680 62 Coal mineral matter and furnace slagging
 0680 63 Composition and microstructure of a furnace ash deposit from a coal-fired utility boiler
 0680 114 Fireside additive trials in utility boilers - overview of an EPRI survey
 0680 177 Assessment of the potential of colloidal fuels in future energy usage - final report
 0680 184 Observations of the low temperature (400 to 910 Degree F) corrosion/erosion behavior of selected alloys in an atmospheric pressure fluidized-bed coal combustor
 0681 93 Utilization of fluidized bed combustion for oil field steam generation
 0681 211 Examining relationships between coal characteristics and the performance of TVA power plants Part 2: boiler efficiency
 1080 144 Comparative analysis of coal fly ash by light and electron microscopy
 1177 16 Coal desulfurization by the Battelle hydrothermal coal process
- BATTELLE GENEVA RESEARCH CENTRE, CAROUGE, SWITZERLAND
 0180 270 Control method for the combustion of coal gas in industrial furnaces
- BATTELLE MEMORIAL INSTITUTE, RICHLAND, WASHINGTON
 0280 226 Fragmentations and rearrangements of free radical intermediates during hydroliquefaction of coals in hydrogen donor media
 0281 257 Application of carbon-13, hydrogen-2, hydrogen-1, NMR and GPC to the study of structural evolution of subbituminous coal in tetralin at 427-deg-C
 0380 141 Decarboxylation as a means of upgrading the heating value of low-rank coals
 0676 6 Joint U.S. - U.S.S.R. Test of U.S. MHD electrode systems in U.S.S.R. U - 02 MHD facility (phase I). Final Report
 0680 59 Trace element chemistry of coal during combustion and the emissions from coal-fired power-plants
 1073 14 Major, minor, and trace-element composition of coal and fly-ash, as determined by instrumental neutron activation analysis
 1077 47 Homogeneous catalytic hydrogenations of complex carbonaceous substrates
 1078 59 Side reactions in the reductive alkylation of low rank coal
 1079 34 13-C., 2-H., 1-H. n.m.r. and g.p.c. study of structural evolution of a sub-bituminous coal during treatment with tetralin at 427-degrees-celsius
- BATTELLE PACIFIC NORTHWEST LABORATORIES, RICHLAND, WASHINGTON
 1179 60 A comparison of the incentives used to stimulate energy production between the United States and Japan
- BC RAIL, BRITISH COLUMBIA
 0882 62 Canada's coal can be delivered
- BE&C ENGINEERS INCORPORATED, TUKWILLA, WASHINGTON
 0881 23 Pacific bulk transportation system
 0882 36 Pacific Bulk transportation system
- BEAK CONSULTANTS LIMITED, TORONTO, CANADA
 0278 207 Liquefaction of low rank coals. Phase I, An overview of batch hydrogenolysis of lignite equilibrium thermodynamics
- BEAUMONT BIRCH COMPANY, PITTSBURGH, PENNSYLVANIA
 0177 114 Coal gasification - New challenge for the Beaumont rotary feeder

- BECHTEL, SAN FRANCISCO, CALIFORNIA
 0176 31 Effect of plant size on the cost of producing industrial-gas in small fixed-bed gasifiers
 0177 129 Injection of coal by screw-feed
 0177 146 Engineering review and evaluation of combustion engineering, Inc. Coal gasification process development unit
 0178 156 Reactor performance during rapid-rate hydrogasification of sub-bituminous coal
 0178 273 An analysis of coal hydrogasification processes. Final report
 0282 178 Low-cost synfuel by coal pyrolysis
 0380 14 Effects of coal cleaning on power generation economics
 0380 146 Combined coal cleaning and FGD for SO₂/2 emissions control
 0381 89 Impact of coal cleaning on the cost of new coal-fired power generation - Final Report
 0477 190 Coal mine - coal conversion plant: Interface evaluation and conceptual design. Final Report, Volume 1.
 Overview and cost estimates
 0677 252 Coal-fired power plant capital cost estimates
 0680 206 Design study of a coal-fired thermionic (THX) - topped power plant
 0879 10 Alternatives are studied for moving coal by pipeline
 0879 13 Coal slurry pipelines for the next decade
 0882 15 Water quality simulation for the design of the EISI wastewater treatment facilities
 0882 23 The effect of particle size distribution on the economics of short distance coal slurry pipelines
 0882 44 Survey of coarse coal slurries
 0882 46 Coal slurry shiploading world trade applications
 1176 7 Regional energy system for the planning and optimization of national scenarios repons. Final report. Clean coal energy: Source-to-use economics project
 Coal: Global energy option for the 1980s
 1182 11
- BEDFORD INSTITUTE OF OCEANOGRAPHY, DARTMOUTH, NOVA SCOTIA
 0781 41 Petrography of the harbour seam in the Donkin reserve area of the Sydney coalfield, Nova Scotia
- BEIJING RESEARCH INSTITUTE OF COAL CHEMISTRY, BEIJING, CHINA
 1081 17 Classification of bituminous coals: Application of the technique of optimal sections in coal classification
- BELGIAN GERMAN IN SITU GASIFICATION EXPERIMENT
 0179 90 Joint Belgian-German U.C.G. - Field test in deep-lying coal deposits
- BELL AEROSPACE TEXTRON, BUFFALO, NEW YORK
 0179 53 High mass flux coal gasifier. Final report, Phase II
 0180 309 High mass flux coal gasification
- BEN HOLT COMPANY, PASADENA, CALIFORNIA
 0177 249 High-temperature gas treating process. Final report, June 1976 - July 1977
- BENDIX CORPORATION, ENGLEWOOD, COLORADO
 0477 150 Study and analysis of an automatic control system for a boring type continuous miner. Final technical report
 0480 96 Absenteeism: A perspective on the problem and suggestions for solutions
- BERGBAU FORSCHUNG GMBH, ESSEN, GERMANY
 0173 18 Assessment of combinations of Canadian and United-States coals for the manufacture of formed coke in the Bergbau-Forschung/Lurgi Process
 0180 316 Coal as an oil or gas replacement
 0181 147 Carbon molecular sieves: production from coal and application in gas separation
 0181 217 Characterisation of coal with regard to different gasification processes
 0181 231 Status of steam gasification using heat from high temperature nuclear reactors
 0280 46 New coal hydrogenation process: proven effective by three-year experimental plant experience
 0281 152 Comparative investigations of coal pyrolysis under inert gas and H₂/2 at low and high heating rates and pressures up to 10 MPa
 0281 289 Filtering coal liquids: Cleaning of coal oils by filtration
 0282 94 Results of the IEA pyrolysis project at Bergbau-Forschung
 0481 151 Relationship between the methane and water permeability and the sorption behavior of coal

- 0677 82 Analysis of mineral matter in coals of the Ruhr under gasification conditions
 0681 83 Carbon fibres from coal-tar pitch
 1080 56 Effect of short coking time on heat balance of coke ovens when using wet coal
 1080 216 Microwave moisture determination of coal - a comparison of attenuation and phase measurement
 1181 42 Technical and economic prospects of coal conversion and utilization from the viewpoint of German coal industry
- BERGWERKSVERBAND GMBH, ESSEN, GERMANY
 0380 83 Flotation plant
 0380 98 Process and apparatus for preheating coal intended for use in coking installations
- BETHLEHEM STEEL CORPORATION, BETHLEHEM, PENNSYLVANIA
 0379 52 Effects and costs of coal preparation on coking coal quality
 0380 75 Method for producing calcined coke pellets
 0480 98 Computerized maintenance management
 0579 26 Effects of weathered coal on coking properties and coke quality
 0680 24 Direct observation of the mesophase in coal
 0781 39 Relationship of coal maceral composition to utilization
 1076 12 Coal composition and its influence on cokemaking
 1081 203 Organic oxygen and sulfur analysis of various coal macerals
- BETHLEHEM STEEL CORPORATION, CHESTERTON, INDIANA
 0478 134 Failure, design and installation of large coal and ore stacker reclaimer slew bearings
- BHARAT HEAVY ELECTRIC LTD., NEW DELHI, INDIA
 0677 77 Development of fluidized combustion for Indian coal
 0678 128 Development of fluidized combustion boilers for Indian coals
- BHARAT HEAVY ELECTRICALS LTD., TRUCHIRAPALLI, INDIA
 0682 27 Use chart to estimate furnace parameters
 1080 59 Water formed in combustion of coal
- BHP CENTRAL RESEARCH LABORATORIES, NSW, AUSTRALIA
 0381 51 The influence of humic materials on the flotation of coal
 0382 31 A modified laboratory cell for the flotation of coal
 1082 16 Co-carbonization of fractions of solvent-refined coal with a non-coking coal
- BIOLOGICAL ENGINEERING LIMITED, HYDERABAD, INDIA
 0280 53 Separation of noscaphine, papaverine and cryptopine from a crude mixture
- BIRTLEY UNITED KINGDOM LTD., CHESTERFIELD, DERBYSHIRE, UNITED KINGDOM
 0379 29 Coal preparation projects in the United Kingdom
- BITUMINOUS COAL RESEARCH, INC., MONROEVILLE, PENNSYLVANIA
 0166 2 Gasification of coal under conditions simulating stage 2 of the BCR two-stage super-pressure process
 0170 0 Gas Generator Research and Development Phase II: Process and Equipment Development
 0173 43 Chemistry and physics of entrained coal gasification
 0176 104 Gas generator research and development: Bi-Gas process. Interim report, July 1975 - June 1976
 0177 92 Recent developments in fluidized-bed methanation research
 0177 110 Gas Generator research and development, Bi-gas process, Interim Report, July 1976 - June 1977, BCR Report L-828
 0177 210 Test and evaluate the Tri-gas low-Btu coal gasification process, Interim Report, Oct. 1977 - Sept. 1978
 0178 231 Gas generator research and development, Tri-Gas Process, Final Report, August 1973 - October, 1977, Vol. 1
 0179 178 The tri-gas gasification process
 0181 171 Combined shift and methanation in a fluidized-bed reactor, Final Report, September 1979 - December 1980
 0376 3 Second Symposium on Coal Preparation
 0377 33 Third Symposium on Coal Preparation, October 18 - 20, 1977, Louisville, Kentucky
 0378 78 Evaluation of the effects of coal cleaning on fugitive elements, final report

CORPORATE AUTHOR INDEX

- 0380 163 Evaluation of the effect of coal cleaning on fugitive elements, final report, phase II, part II, Analytical methods
- 0476 21 Fourth Symposium on surface-mining and reclamation
- 0476 22 Sixth Symposium on Coal Mine Drainage Research
- 0476 23 Second Symposium on Underground Mining
- 0477 92 Fifth Symposium on Surface-mining and reclamation
- 0477 94 Seventh Symposium on Coal Mine Drainage Research
- 0477 95 Third Symposium on Underground Mining
- 0478 314 Current problems in mining
- 0480 156 Survey of coal industry programs for utilization of methane from coal seams. Final report
- 0577 25 Fourth Symposium on Coal Utilization, October 18 - 20, 1977, Louisville, Kentucky
- 0578 22 Coal and the Environment Abstract Series
- 0673 12 Fluidized-bed gasification - Process and equipment development
- BIURO PROJEKTOWO BADAWCZE GOSPODARKI WODNO SCHIKOWEJ I UZBROJENIA TERENOW HYDROSAN, GLIWICE, POLAND
- 0581 88 Method for treatment of industrial waste from high-temperature coal gasification
- BLACK & VEATCH, KANSAS CITY, MISSOURI
- 0880 36 Economic evaluation of alternative coal supplies
- BLACK MESA PIPELINE INCORPORATED, FLAGSTAFF, ARIZONA
- 0882 29 Operating experience of the Black Mesa pipeline
- BLACK, SIVALLS & BRYSON, INC., HOUSTON, TEXAS
- 0181 167 Industrial fixed-bed coal gasification: An economic alternative to deregulated natural gas
- BOEING COMPANY, SEATTLE, WASHINGTON
- 0281 356 Chemistry of trace element species in coal liquefaction processes
- 1080 129 EXAFS studies of supported metal catalysts
- 1081 103 X-ray absorption spectroscopic investigation of trace vanadium sites in coal
- BOLT LOCK INC., DALLAS, TEXAS
- 0480 48 Installing resin-grouted roof bolts
- BOLT, BERANEK AND NEWMAN INC., CAMBRIDGE, MASSACHUSETTS
- 0481 104 The noise exposure of operators of mobile machines in US surface coal mines, 1979
- BONNER AND MOORE ASSOCIATES, INC., HOUSTON, TEXAS
- 0477 166 Economics of Large-Scale Surface Coal Mining Using Simulation Models: Executive summary, Final Report, Volume 1
- 0477 167 Economics of large-scale surface coal mining using simulation modes: area stripping with draglines using Illinois Basin Region test case, Final report, Volume 2
- 0477 168 Economics of large-scale surface coal mining using simulation modes: area stripping with draglines using Four Corners Region test case, Final report, Volume 3
- 0477 169 Economics of large-scale surface coal mining using simulation modes: Area stripping with draglines using Fort Union Region Test case, Final report, Volume 4
- 0477 170 Economics of large-scale surface coal mining using simulation modes: Area stripping with draglines using Texas Gulf Region test case, Final report, Volume 5
- 0477 171 Economics of large-scale surface coal mining using simulation modes: Area stripping with shovels and trucks using Powder River Region Test case, Final report, Volume 7
- 0477 172 Economics of large-scale surface coal mining using simulation modes: Mountain top removal mining using Appalachia-West-Virginia test case, Final report, Volume 8
- 0477 173 Economics of large-scale surface coal mining using simulation modes: Multiple dipping seam mining using Green-River Region test case, Final report, Volume 9
- 0477 174 Economics of large-scale surface coal mining using simulation modes: User's Manual for area dragline macromodel, Final report, Volume 10
- 0477 175 Economics of large-scale surface coal mining using simulation modes: User's manual for area shovel truck

CORPORATE AUTHOR INDEX

- 0477 176 macromodel, Final report, Volume 11
Economics of large-scale surface coal mining using simulation modes: User's manual for contour stripping with draglines macromodel, Final report, Volume 12
- 0477 177 Economics of large-scale surface coal mining using simulation modes: User's manual for cash flow analysis model, Final report, Volume 13
- 0477 178 Economics of large-scale surface coal mining using simulation modes: User's Manual for dragline stripping micromodels, Final report, Volume 14
- 0477 179 Economics of large-scale surface coal mining using simulation modes: User's manual for shovel truck mining micromodels, Final report, Volume 15
- 0477 180 Economics of large-scale surface coal mining using simulation modes: User's manual for nonstripping mining function micromodels, Final report, Volume 16
- 0778 27 Coal reserves: Computer-based evaluation and mine planning tool
- BOOZ, ALLEN & HAMILTON, INC., BETHESDA, MARYLAND
0177 164 Standard criteria for the economic evaluation of alternative pipeline and fuel-gas demonstration plant design concepts, Final task report, Task 042
- 0179 327 Overview of national research and development activities in synthetic natural gas from coal
- 0180 136 Potential markets for high-Btu gas from coal
- 0181 73 Gas from coal: market prospects and problems
- 0277 38 Cash flow analysis of alternative approaches to commercialization of coal conversion technologies
- 0279 216 Assessment of the candidate markets for liquid boiler fuels
- 0479 127 How to implement mine illumination
- 0480 41 United-States mines look to automated rails
- 0677 246 Project acquisition and evaluation process for atmospheric fluidized-bed combustion demonstration plant
- 1179 53 Develop improved program monitoring systems and techniques for ERDA/Division of fossil demonstration plants, final task report, task 002
- BOOZ, ALLEN & HAMILTON, INC., CLEVELAND, OHIO
0479 200 Advances in underground coal mine transportation
- 0479 205 Focusing on the tough illumination problems underground
- BOSE INSTITUTE, CALCUTTA, INDIA
1079 32 Microbial removal of organic sulfur from coal
- BOWLING GREEN UNIVERSITY, BOWLING GREEN, OHIO
0781 34 Precambrian coal or anthraxolite: A source for graphite in high-grade schists and gneisses
- BP AUSTRALIA LIMITED, MELBOURNE, AUSTRALIA
0380 78 Method of removing hydrocarbon liquids from carbonaceous solid material with which they are mixed and using this method for deashing coal
- BP, CANADA
0381 97 The practice of froth flotation for cleaning fine bituminous coal
- BRAS D'OR INSTITUTE COLLEGE OF CAPE BRETON, SYDNEY, NOVA SCOTIA
1081 234 Study on the analysis of coals in the Atlantic Region
- BREDA TERMOMECCANICA, MILANO, ITALY
0681 47 The processing of solid particles in fluidized beds
- BRIGHAM YOUNG UNIVERSITY, PROVO, UTAH
0173 41 Coal devolatilization in a low pressure, low residence time entrained-flow-reactor
- 0176 92 Alloy catalysts with monolith supports for methanation of coal-derived gases: Phase 1, Annual Technical Progress Report, April 1975 - April 1976
- 0177 107 Mixing and gasification of coal in entrained-flow systems, Final Report, Nov. 1974 - April 1977
- 0177 246 Alloy catalysts with monolith supports for methanation of coal-derived gases, Final technical progress report, April 1975 - August 1977

CORPORATE AUTHOR INDEX

0178 105	Fossil fuel economics
0178 290	Alloy catalysts with monolith supports for methanation of coal-derived gases. Annual technical progress report for September 1977 - September 1978.
0179 300	Theoretical modeling of coal and gas fired turbulent combustion and gasification processes - dissertation
0179 325	Mixing and kinetic processes in pulverized coal combustors - Volume 2: User's manual for a computer program for 1-dimensional coal combustion or gasification (1-DICOG)
0179 332	Deactivation by carbon of nickel and nickel-molybdenum methanation catalysts
0180 36	One-dimensional model for pulverized coal combustion and gasification
0180 75	Analytical study of the effluents from a high-temperature entrained flow gasifier
0180 80	Mixing and gasification of coal in entrained flow systems. Final report for May 1, 1977 - October 31, 1979
0180 306	Separation and identification of sulfur heterocycles in coal-derived products
0182 73	Deactivation by carbon of nickel, nickel-ruthenium, and nickel-molybdenum methanation catalysts
0280 198	Sulfur poisoning of H ₂ /2 and CO adsorption on supported nickel
0281 3	Determination of sulfur heterocycles in coal liquids and shale oils
0281 84	Chemical class separation and characterization of organic compounds in synthetic fuels
0282 19	Density, viscosity, and surface tension of coal liquids at high temperatures and pressures
0282 27	Selective detection of amino polycyclic aromatic compounds in solvent refined coal
0282 132	The Rheological characterization of coal liquefaction preheater slurries
0580 2	A dimethyl and monomethyl sulfate: presence in coal fly ash and airborne particulate matter
0580 203	Chemical properties of bacterial mutagens in stack collected coal fly ash
0679 176	Mixing and combustion of pulverized coal - dissertation
0680 41	Rate measurements in a laboratory-scale pulverized coal combustor
0681 24	Model for pulverized coal-fired reactors
0681 34	Pulverized coal diffusion flames: A perspective through modelling
0881 30	A rheology-based correlation for minimum deposition velocities
0882 53	A new viscometer for determining the effect of particle size distributions and concentration on slurry rheology
1080 68	Identification and geochemical significance of some aromatic components of coal
BRITISH CARBONIZATION RESEARCH ASSOCIATION, CHESTERFIELD, DERBYSHIRE, UNITED KINGDOM	
0179 337	A review of different charging techniques in the carbonization of preheated coal at BCRA
0279 115	Viscosity of coal tar pitch at elevated temperatures
0378 76	A study of the influence of the addition of coal-tars to vitrains on the optical anisotropy developed during carbonization
0680 15	Simple volatility test for bituminous materials
1077 105	Pore structure development during carbonization of blended charges
1081 14	Study of the relation between the phosphorus content of coal and coke
1081 229	The optical anisotropy of coke in relation to metallurgical coke making
1082 11	A scanning electron microscope study of fractured and etched metallurgical coke surfaces
1082 32	Effect of low-volatile additives on the structure and strength of cokes
BRITISH COAL UTILISATION RESEARCH ASSOCIATION, LEATHERHEAD, SURREY, UNITED KINGDOM	
0667 0	Combustion of pulverised coal
BRITISH GAS CORPORATION, CAMBRIDGE, UNITED KINGDOM	
0180 271	Towards the new gasification era - a perspective from 1980
BRITISH GAS CORPORATION, CARDENDEN, UNITED KINGDOM	
0177 176	British Gas Corporation, Westfield development center, Technical support program. Report on run TSP001
BRITISH GAS CORPORATION, LONDON, UNITED KINGDOM	
0179 155	The future role of gasification processes
0179 172	Gas- -the road ahead
0180 11	Gasification of carbonaceous feedstocks: a policy for the future
0180 93	Coal gasification plant
0180 97	Slag removal from coal gasification plant
0180 101	Improvements in or relating to slag tap outlets for coal gasification plant

0180 102 Improvements in or relating to slagging coal gasification plant
 0180 119 Production of substitute natural gas
 0180 185 Fixed bed slagging gasification - a means of producing synthetic fuels and feedstocks
 0180 304 Improvements in or relating to coal gasification plant
 0181 38 Methanation key to SNG success
 0181 75 Coal gasification
 0182 53 Agglomeration of coal
 0182 54 Two-stage coal gasification process and apparatus
 0278 167 Production of gas from coal
 0281 286 Structure and properties of coal and the mechanism of coal liquefaction

BRITISH JEFFREY DIAMOND LTD., WAKEFIELD, UNITED KINGDOM
 0482 8 Shearers for face-end techniques

BRITISH NATIONAL OIL CORPORATION, LONDON, UNITED KINGDOM
 0481 120 Seismic surveying in British coalfields

BRITISH PETROLEUM COMPANY LIMITED, LONDON, UNITED KINGDOM
 0180 106 Fuel composition and method for its preparation
 0280 115 Process for the production of amorphous aluminosilicates and their use as catalysts
 0681 60 Coal-oil dispersions - an overview
 0681 184 Solids Fuel/Oil Suspensions
 0681 185 Solid fuel/oil dispersions containing metallo-porphyrins as stabilisers

BRITISH STEEL CORPORATION, CLEVELAND, UNITED KINGDOM
 0681 82 Arc-steel electrodes from coal via solvent extraction
 0681 88 Review of injection of coal into blast furnace tuyeres
 1077 64 The standardization of petrographic analysis of coal

BRITISH COLUMBIA AND YUKON CHAMBER OF MINES, VANCOUVER, BRITISH COLUMBIA
 0479 182 Mining Exploration & Development Review British-Columbia and Yukon

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, VANCOUVER, BRITISH COLUMBIA
 0281 31 Coal liquefaction via Sasol Fischer-Tropsch synthesis
 0680 27 Coal-fired powerplants

BRITISH COLUMBIA MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES, VICTORIA, BRITISH COLUMBIA
 0381 16 Reflectance of carbonized vitrinites as a measure of oxidation of a coking coal
 0479 260 Reclamation of lands disturbed by coal mining in British Columbia
 0679 71 Combustion metamorphism in the Hat-Creek area, British-Columbia
 0680 10 Spontaneous carbonization of oxidized high-volatile coal by a lightning strike
 0779 7 Groundhog coal area, British-Columbia
 0780 0 The next decade: major mineral resource expansion in British-Columbia
 0780 2 Quality of Western Canadian coking coal
 1079 68 Mineral matter as a measure of oxidation of a coking coal

BRITISH COLUMBIA MINISTRY OF INDUSTRIAL & SMALL BUSINESS DEVELOPMENT, VICTORIA, BRITISH COLUMBIA
 1180 13 Competition and Canadian coal prices in the Japanese coking coal market

BRITISH COLUMBIA RESEARCH, VANCOUVER, BRITISH COLUMBIA
 0279 140 Coal liquefaction by concurrent grinding and hydrogenation
 0281 340 Direct liquefaction behaviour of B.C. coals
 0480 133 Coal mining in B.C., past, present, and future: an annotated bibliography of information related to coal mining in the province of British Columbia

BROKEN HILL PROPRIETARY COMPANY LIMITED, NSW, AUSTRALIA

- 0277 85 Some fundamental aspects of the selective agglomeration of fine coal
- 0282 155 Apparent enhancement of coal conversions using cresol - tetralin solvents
- 0379 20 Pilot-scale treatment of coal preparation plant effluent by the selective agglomeration process
- 0379 51 Flotation circuits for poorly floating coals
- 0380 43 Oil-assisted filtration of fine coal
- 0380 95 Treatment of coal slurries
- 0381 113 Circuit design considerations for the froth flotation of problem coals
- 0480 30 Seam gas problems and drainage in Australia
- 0581 23 Direct determination of trace elements in coal: Wavelength-dispersive x-ray spectrometry with matrix correction using compton scattered radiation
- 0678 243 Convenient index for the assessment of coal-cleaning processes
- 0681 193 The economic value of coal for coal fired power stations
- 1079 78 Petrographic characterization of coal using automatic image analysis
- 1080 19 Multiple determination of volatile matter in solid fuels
- 1080 53 Coking behavior of coals recovered from slurry pipelines using a selective agglomeration technique
- 1181 21 Progress towards synthetic fuel production in Australia and New Zealand

BROOKHAVEN NATIONAL

LABORATORY, UPTON, NEW YORK

- 0173 26 Analysis of hydrogen energy systems report to subgroup on synthetic-fuels, Office of Science and Technology
- 0180 295 Flash pyrolysis and hydrolysis of coal
- 0181 61 Alternative process schemes for coal conversion
- 0275 15 Coal liquefaction by rapid gas phase hydrogenation
- 0277 8 Flash-hydrolysis of coal. The design, construction, operation, and initial results of a flash-hydrolysis experimental unit
- 0279 95 Flash hydrolysis of coal
- 0279 101 Mechanochemical effects in coal conversion. 1. Coal hydrogenation in gaseous hydrogen aided by mechanical energy
- 0280 6 The kinetics of flash hydrogenation of lignite and subbituminous coal
- 0280 38 The flash hydrolysis of lignite and sub-bituminous coals to both liquid and gaseous hydrocarbon products
- 0281 283 The rapid hydrolysis of sub-bituminous and bituminous coals
- 0282 92 Flash pyrolysis and hydrolysis of coal
- 0579 22 Coal-conversion technologies, some health and environmental effects
- 0580 16 Human exposure to sulfates from coal-fired power plants
- 0580 18 The global carbon-dioxide problem: Impacts of U.S. synthetic fuel and coal fired electricity generating plants
- 0580 127 Regenerative process for desulfurization of high temperature combustion and fuel gases
- 0677 173 Regeneration of lime for fluidized-bed combustion with carbon, with silica and with coal-ash
- 0678 34 The Lash (laser-ash) particulate fragmentation removal concept for coal-fired turbine power plants
- 0678 71 Fluidized-bed combustion of coal with lime additives: Catalytic sulfation of lime with iron compounds and coal-ash
- 0678 217 Enhancement of sorbent utilization in fluidized-bed combustion
- 0679 8 Coal-oil mixture combustion progress report
- 0679 23 A regenerative process for fluidized-bed combustion of coal with lime additives
- 0679 64 Calcium-silicates: A new class of highly regenerative sorbents for hot-gas desulfurization
- 0679 94 Fluidized-bed combustion of coal with lime additives. Kinetics and mechanism of regeneration of the lime sorbent
- 0680 194 An engineering study on the use of regenerative calcium silicates sorbent for AFB power generation from high sulfur coal
- 0682 9 Control of carbon dioxide emissions from a power plant (and use in enhanced oil recovery)
- 1079 60 Oxygen content of selected coals as determined by charged particle activation analysis
- 1081 183 A study of coal oxidation by charged-particle activation analysis
- 1176 6 Current and future use of coal in the northeast
- 1179 9 An assessment of national consequences of increased coal utilization, executive summary. Volume 1
- 1179 10 An assessment of national consequences of increased coal utilization, executive summary. Volume 2

- BROOKLYN COLLEGE, BROOKLYN, NEW YORK
1078 49 EPR study of the absorption of iodine by coal
- BROWN & ROOT INCORPORATED, HOUSTON, TEXAS
0181 157 TVA ammonia from coal project: Update
0882 9 Controlling bulk inventories for slurry preparation
- BROWN & ROOT INCORPORATED, SAN FRANCISCO, CALIFORNIA
0581 93 A comparison of the environmental impacts of FGD technologies
- BROWN BOVERI & CO. LTD., BADEN, SWITZERLAND
0680 225 Technical and economic aspects of coal-fired district heating power plants in the United States
- BROWN UNIVERSITY, PROVIDENCE, RHODE ISLAND
0179 225 Critical regimes of coal ignition
- BRUKER APPLICATIONS LABORATORY, BILLERICA, MASSACHUSETTS
1081 223 Determination of surface and bulk oxidation of coals by Fourier Transform Infrared Spectroscopy using a photoacoustic detector
- BRUNEL UNIVERSITY, UXBRIDGE, MIDDLESEX
0580 63 Atmospheric analysis using a micro carbon sampler
- BUCKELL ENGINEERING LIMITED, BERKSHIRE, UNITED KINGDOM
0880 11 Pipe Lining
- BULGARIAN ACADEMY OF SCIENCES, SOFIA, BULGARIA
0280 2 Reductive alkylation of a phenanthrene-formaldehyde resin
0680 127 Study of initial oxidation processes in bituminous coals and anthracites by manometric methods
1081 91 ESR spectrometric study of directly prepared potassium-coal adducts
1082 2 Structural study of coals by means of directly-prepared potassium-coal adducts
- BULLEN AND PARTNERS, CROYDON, UNITED KINGDOM
0878 20 Waste Disposal System - NCB North-East Area
- BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES, ORLEANS, FRANCE
0182 81 Major problems, first results and projects of underground gasification of deep coal in France
- BUREAU OF LAND MANAGEMENT, DENVER, COLORADO
0578 123 Resource and potential reclamation evaluation Hanging Woman Creek study area
- BURNCO COMBUSTIBLE PRODUCTS LTD., CANADA
1081 225 Synthetic firelog incorporating binder made from liquid combustible by-product
- BURNS & MCDONNELL, KANSAS CITY, MISSOURI
0580 179 Startup experience of five FGD systems
- BURNS AND ROE INC., DRAPELL, NEW JERSEY
0680 225 Technical and economic aspects of coal-fired district heating power plants in the United States
- BURNS AND ROE INDUSTRIAL SERVICES CORPORATION, PARAMUS, NEW JERSEY
0677 146 Evaluation of a pressurized-fluidized-bed combustion (PFBC) combined-cycle power-plant conceptual design, Annual Report, June 1976 - June 1977
0677 187 An evaluation study of a pressurized fluidized-bed combustion (PFBC) combined-cycle power-plant concept design, a status report
0677 190 Conceptual design of an AFBC electric-power generating plant
0678 20 Conceptual design and cost estimate 600 MWe coal fired fluidized-bed combined-cycle power plant

CORPORATE AUTHOR INDEX

0678 104	Evaluation of a pressurized fluidized-bed combustion (PFBC) combined-cycle power-plant conceptual design, Final Report, Volume III, Trade-Off studies, Subtask 1.3
0678 154	Evaluation of a pressurized fluidized-bed combustion (PFBC) combined-cycle power-plant conceptual design.* Final report, Volume II, Commercial-plant design description and economic analysis, Subtask 1.2
0678 155	Evaluation of a pressurized fluidized-bed combustion (PFBC) combined-cycle power-plant conceptual design, Final report, Volume IV, Evaluation of Alternate Plant Approaches, Subtask 1.7
0678 156	Evaluation of a pressurized fluidized-bed combustion (PFBC) combined-cycle power-plant conceptual design, Final report, Volume III, Trade-off studies, Subtask 1.3
0678 166	Conceptual design of an atmospheric fluidized-bed combustion electric-power generating plant, Interim report, Volume 1
0678 172	Evaluation of a pressurized fluidized-bed combustion (PFBC) combined-cycle power-plant conceptual design, Task I report, Commercial plant requirements definition
BURNS AND ROE, INC., WOODBURY, NEW YORK	
0678 29	W.O. 3377-02 Conceptual design of an AFBC electric-power generating plant, Final report, Volume II - Program Description
0679 41	Conceptual design of an AFBC electric-power generating plant, final report, Vol. III, Appendices
0679 54	W.O.-3377-02 Conceptual design of an AFBC electric-power generating plant, Final report, Volume-I - Executive summary
0679 188	Conceptual design of a gulf coast lignite-fired atmospheric fluidized-bed power plant
BUTTERWORTHS SCIENTIFIC PUBLICATIONS, LONDON, UNITED KINGDOM	
1066 O	Mechanisms of coal pyrolysis VII - The dependence of diamagnetic properties upon the duration of heat treatment
BYRON CREEK COLLIERIES LIMITED, BLAIRMORE, ALBERTA	
0480 20	Rebirth of Corbin -- the Byron Creek Collieries story
C & K COAL COMPANY, PITTSBURGH, PENNSYLVANIA	
0481 27	Trends in reclamation technology
C.F. BRAUN & COMPANY, ALHAMBRA, CALIFORNIA	
0175 52	Preliminary coal grinding tests for the design of coal grinding systems in coal gasification plants, Interim Report, Series No. II:B-1
0175 84	Packed bed reactor shape, final report, Series No. 1:C-1
0176 124	Carbon formation in methanators - final report
0177 21	Mechanical development investigations, Interim Report, Series No. II: A-2
0177 167	Shift conversion catalysts comparison, Final report
0177 203	Requirements for on line composition analysis of coal gasification process streams using optical methods
0177 295	Methanation feed gas carbon-dioxide level - final report
0178 98	Vertical-lift-dryer pilot-plant design, Final Report, Appendix
0178 103	Vertical-lift-dryer pilot-plant design, Final Report
0178 182	Basic requirements for the design and construction of gasifier vessels, Final report
0178 203	Gasifier temperature measurement, Final report, Series No. 11: F - 6
0178 206	Sulfur recovery in a coal gasification plant, Final Report
0178 207	Considerations in sizing coal gasification plants, Final Report
0178 213	Coal gasification, commercial concepts, gas cost guidelines, Revision 1, Final Report
0178 214	Comparison of acid-gas removal processes, Final Report
0178 258	Technical evaluation for joint DOE-GRI coal gasification program, Final report
0178 276	Combined shift-methanation processes, Final report
0178 285	Fixed-bed methanation processes, Final report
0178 378	Dry solids flow meter, final report
0178 379	Slurry injection nozzle for vertical lift dryer - final report
0377 77	Mechanical development recommendations, Interim report
0378 56	Sulfur removal from flue gas - final report
0575 4	Process comparison effluent treatment ammonia separation - final report
0578 102	Sulfuric acid versus elemental sulfur as by-products

- 1178 26 Factored Estimates for Eastern Coal Commercial Concepts. Interim report - Joint Department of Energy - Gas Research Institute Coal Gasification Program
- C E POWER SYSTEMS, INC., WINDOR, CONNECTICUT
0679 88 Steam generator design features for variable load operation
- CAIRO UNIVERSITY, CAIRO, EGYPT
1079 176 Evaluation of the use of indirect tensile test results for characterization of asphalt-emulsion-treated bases
- CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CALIFORNIA
0177 112 Proceedings of the Conference on Coal Feeding Systems
0177 122 Evaluation of ERDA-sponsored coal-feed system development
0177 172 Coal feed system development plan
0177 193 Evaluation of coal feed systems being developed by the Energy Research and Development Administration
0181 84 Model of coal pyrolysis. 1. Qualitative development
0181 85 Model of coal pyrolysis. 2. Quantitative formation and results
0277 141 Experimental and modeling studies of coal pyrolysis and hydrogenation
Catalytic hydrosolvolation process converts coal to low sulfur liquid fuel
0278 94 A model for the isothermal plasmometric behavior of coals
0280 303 Coal desulfurization by low-temperature chlorinolysis
0377 53 Coal desulfurization by low temperature chlorinolysis. Final Report for Phase 1
0377 73 Chlorination process for coal desulfurization
0379 109 Kinetics of the removal of iron pyrite from coal by microbial catalysts
0381 44 Coal desulfurization by chlorinolysis - phases II
0381 121 A life cycle description of underground coal mining. Interim technical report
0478 162 Longwall/Shortwall mining equipment reliability. Maintainability and cost effectiveness study
0478 214 Longwall mine availability and delay analysis, Phase II, Part I - Technical Analysis
0478 277 Shortwall mine availability and delay analysis, Vol. 2, - Appendices
0478 278 Shortwall mine availability and delay analysis, Vol. 2 - Appendices
0478 280 Shortwall mine availability and delay analysis, Phase II, Part 1 - Technical Analysis
0478 281 Longwall/shortwall mine equipment availability and delay analysis. Final Technical Report
0478 282 Laboratory studies of submicron particles from coal combustion
0680 134 Coal extrusion in the plastic state
1077 30 Characterization of the heavy products of coal pyrolysis
1077 107 Continuous extrusion of coal
1078 81 Sewage sludge additive
1080 141 Mathematical modeling and experimental studies of thermal reactions of coal - dissertation
1080 143
- CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA, CALIFORNIA
0282 186 A computer program, AMCLA, to analyze aromatic mixture and coal liquid
0376 7 Desulfurization of coal-oil mixtures by attrition grinding with activated iron powder
- CAMERON ENGINEERS, INC., DENVER, COLORADO
0179 91 An overview of in-situ lignite gasification
0179 174 Reconsider coal conversion processing
0577 54 EPA program status report: Synthetic-fuels from coal, including process overview with emphasis on environmental considerations
1178 15 Supply demand forecast thru the year 2000
- CANADA CENTRE FOR MINERAL AND ENERGY TECHNOLOGY, OTTAWA, ONTARIO
0178 337 Thermodynamics of coal conversion reactions: Part 4, The shift reaction
0178 339 Thermodynamics of coal conversion reactions: Part 2, Effect of pressure on water-gasification
0178 340 Thermodynamics of coal conversion reactions: Part 3, The Bourdard-reaction
0179 183 Canadian research, development and demonstration activities in coal gasification, coal liquefaction and coal oil mixture combustion
0180 40 Lignite Reactivity - II Final report
0181 48 A differential thermal probe for anticipation of defluidization of caking coals

- 0278 200 Effects of median pore diameters in Co/Mo/Al//2/0//3 catalysts on the conversion of Athabasca bitumen
 0279 38 Liquid fuels from Canadian coals
 0281 57 The CANMET coal liquefaction contract program
 0379 58 Test installation for studying erosion-corrosion of metals for coal- washing plants.
 0379 87 Influence of flue temperature and coal preparation on coke quality in 460-mm technical-scale coke oven
 0379 88 Cokemaking with Canadian medium- and high-volatile commercial coking coals
 0380 122 Pitch and petroleum coke additions to coke oven charges
 0478 300 Design guidelines for multi-seam mining at Elliot-Lake
 0479 79 Bibliography of mine ventilation
 0479 192 CANMET's rock mechanics research at the Kidd Creek Mine
 0679 137 Comparison of coke produced in different Canmet coke ovens - Part 2
 0778 18 Extraction of alumina from Canadian non-bauxite materials
 1074 7 Assessment of Mont-Joli coal
 1077 63 The variation of the microhardness and reflectance of coal under conditions of oxidation simulating weathering
 1077 104 Hydrocracking of Athabasca bitumen: Effect of coal-base catalyst on pilot-plant operation
 1078 135 Coal associated materials as potential non-Bauxite sources of Alumina
 1079 47 Instrumental anticipation of defluidization of heated beds of caking coal I (Part II)
 1079 107 Analysis directory of Canadian commercial coals. Supplement No. 3
 1079 116 Assessment of Mont-Joli coal
 1080 43 Size degradation of bituminous coal from Western-Canada
- CANADA CENTRE FOR MINERAL AND ENERGY TECHNOLOGY, WESTERN OFFICE, CALGARY, ALBERTA
 0479 47 Development of preliminary underground coal mining methods matrix
 1079 21 Saskatchewan coal quality factors
- CANADA DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, ONTARIO
 0179 13 Small-scale coal-gasification plants
 0181 28 Coal gasification and liquefaction
 0278 221 The effect of tin catalysts on hydrotreating of Athabasca oil sand bitumen and on coal hydrogenolysis
 0280 56 Statistical study on the batch conversion of Estevan lignite into oils using carbon-monoxide and hydrogen mixtures
 0280 143 Hydrocracking of heavy oils using iron coal catalyst
 0281 19 Coal liquids in Canada
 0281 29 Coal liquefaction in Canada-the CANMET program
 0281 36 Conversion of non-coking coals to coking coals by thermal hydrogenation
 0281 50 Development of a testing facility for direct hydrogenation of Canadian low rank coals
 0282 140 Simultaneous hydrocracking of bitumen/coal slurries
 0282 141 Catalytic hydrocracking of heavy oils
 0380 6 Coal-oil-mixture research and development in Canada
 0380 12 Coal as an energy source in recovery and upgrading of Canadian heavy oils and tar sands
 0380 65 Coking poor coking coals and hydrocracked tar sand bitumen binder
 0480 38 Status report on Canadian coal mining
 0674 6 Coal Properties bearing on combustion
 0680 58 Overview of coal activities at the Canadian combustion research laboratory
 0780 1 Preliminary analysis of a gravity profile across the Bonnet Plume Basin, Yukon-Territory, Canada: an aid to coal-basin evaluation
 0780 35 quality and occurrence of coal in southern Saskatchewan, Canada, Volume I. Introduction to data acquisition and to associated computer processable files
- 0879 15 Mineral transportation
 0880 31 Effect of pipeline corrosion inhibitors on the caking properties of metallurgical coals
 1174 0 26th Canadian conference on coal
 1175 0 27th Canadian conference on coal
 1177 27 Reflections on Canada's Fossil-Fuels
 1177 29 The 29th Canadian conference on coal
 1179 22 Coal
 1179 49 Canada's coal industry on threshold of new development
 1180 1 Discussion paper on liquid fuel options

- 1180 2 Discussion paper on coal
- CANADA DEPARTMENT OF MINES AND TECHNICAL SURVEYS, OTTAWA, ONTARIO
 0359 0 The cleaning characteristics of Vicary Creek mine fines
 0459 0 The role of Canadian coal in the iron and steel industry in Western Canada
 0556 0 A review of European work on solid fuel gas-turbines
 1059 1 Coke for blast furnaces
- CANADIAN COMBUSTION RESEARCH LABORATORY, OTTAWA, ONTARIO
 0681 155 Combustion performance and sulphur capture during fluid bed combustion of a western sub-bituminous coal and an eastern bituminous coal
- CANADIAN ENERGY RESEARCH INSTITUTE, CALGARY, ALBERTA
 0281 99 Outlook for alternative liquid fuels in Canada - an economic analysis
 0282 192 Alternative transportation fuels in Canada: an economic analysis
 1179 45 Potential markets for thermal coal in Canada, 1978-2000, working paper
 1180 11 Alternative future supplies of oil in Canada and their costs
- CANADIAN GAS RESEARCH INSTITUTE, CALGARY, ALBERTA
 1180 12 Enhanced oil recovery potential in Canada
- CANADIAN GAS RESEARCH INSTITUTE, DON MILLS, ONTARIO
 0179 146 Development of an industrial burner for using gases of low-calorific value
- CANADIAN GENERAL ELECTRIC COMPANY LIMITED, MONTREAL, CANADA
 1177 22 Power generation in Canada to 2000 A.D.
- CANADIAN NATIONAL RAILWAY
 0882 63 On time, on target
- CANADIAN STEBBINS ENGINEERING & MANUFACTURING CO. LTD., BURNABY, BRITISH COLUMBIA
 0682 54 Acid brick design and material selection for various elements in a flue gas desulfurization system
- CANGASCO ENGINEERING LTD., CALGARY, ALBERTA
 0177 298 Study report on coal conversion in Alberta - Stage 1 - Evaluation
- CANMET, CALGARY, ALBERTA
 0482 16 Spontaneous combustion problems associated with the mining and storage of thermal coals - a review
- CANMET, EDMONTON, ALBERTA
 0381 59 Recovery of thermal coal from waste dumps near Stellarton, Nova Scotia
 0382 11 Performance evaluation of gravity separators in Canadian washeries
 0382 15 Simulation of density separators in Canadian coal preparation-plants
 0382 17 Some EMR facilities in western Canada for R & D on beneficiation of Canadian coals
 0482 17 Studies of gas sorption and emission on Canadian coals
 0781 20 Methods for predicting size degradation of Western Canadian coals
 0882 26 Prediction of size degradation of coarse coal during slurry pipeline transportation
 1081 221 The characterization of oxidized coal - a review
 1081 222 Adsorption - a tool for characterizing coal oxidation
 1081 231 Cokemaking with Canadian coals
 1082 26 Determination of specific heats of coal powders by differential scanning calorimetry
- CANMET, OTTAWA, ONTARIO
 0182 5 Laboratory gasification of five Canadian coals
 0182 107 Reactivity study of Canadian coals in a laboratory fixed bed gasifier
 0182 108 Characterization of effluents from a fixed-bed gasifier
 0281 174 Separation and characterization of coal-derived liquids

- 0282 91 CANMET coal liquefaction program
 0282 95 The CANMET research program on coal pyrolysis - application to Eastern Canada
 0282 96 The pyrolysis of Canadian coals for production of fuels and petrochemicals
 0282 174 The role of the water-gas shift reaction in the upgrading of low-grade oxidized coal from Western Canada for conversion processes
 0282 188 Flash pyrolysis of Canadian coals
 0381 103 Wet and dry high-gradient magnetic cleaning of eastern coals
 0381 107 Chemical comminution of Nova Scotia coals
 0382 16 SPOC and the Canadian coal industry
 0382 19 Methodology transfer for the simulation of mineral and coal processing plants
 0479 254 Progress in underground mining of coal under the difficult mountainous conditions of western Canada
 0480 178 Generation and control of mine airborne dust
 0481 43 SPOC project: status and prospects after one year of joint effort
 0481 105 The impact on underground ventilation of the reduction of diesel emissions toxicity by water-in-oil fuel emulsification
 0581 58 Defluiddization characteristics in sticky beds of caking coals
 0582 11 The combustion properties of western Canadian coals
 0582 56 Spontaneous combustion of Canadian coals
 0882 18 Studies on molybdate as pipeline corrosion inhibitor in coal water slurries
 1081 231 Cokemaking with Canadian coals
 1082 30 Effect of mineral matter on the coking properties of four western Canadian coals
 1082 31 Anisotropic coke-like structures produced by carbonization of residues derived from aqueous-phase hydrogenolysis of peat with syngas
 1082 68 Investigation to develop methods for removal of oxygen from coals
 1180 42 Current coal research and development projects in Canada
 1181 35 Coal technology in the 80's
- CAPE BRETON DEVELOPMENT CORPORATION, CAPE BRETON, NOVA SCOTIA
 0380 134 Low-gravity separation
 0380 135 Dealing with abrasion-corrosion
 0482 51 Advance longwall mining in Nova Scotia
 0482 57 Devco has large-scale program to develop underground and surface facilities
 0482 116 Donkin-Morien development project
 0582 1 Remote environmental monitoring at No. 26 Colliery
 0882 70 Belt conveyor booster drives
- CARDINAL RIVER COALS, HINTON, ALBERTA
 0479 255 The use of movement monitoring to minimize production losses due to pit slope failures
- CARGO SUPERINTENDENTS CO., SYDNEY, AUSTRALIA
 0381 90 On the significance of flotation froth liquid lamella thickness
- CARLETON UNIVERSITY, OTTAWA, ONTARIO
 0179 145 Development of a bench-scale fluidized-bed-coal-gasifier and gas burner system
- CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PENNSYLVANIA
 0175 38 Catalytic synthesis of gaseous hydrocarbons. Quarterly report for the period May - August 1975
 0176 115 Catalytic synthesis of gaseous hydrocarbons. First annual report, May 1975 - May 1976
 0177 204 Environmental monitoring in coal conversion
 0177 225 Studies in support of recirculating bed reactors for the processing of coal. Annual Report, June 1976 - October 1977
 0178 132 Cobalt-based catalysts for the production of carbon/2 - carbon/4 hydrocarbons from syngas
 0178 167 Analysis of waste-waters from high-Btu coal gasification plants
 0178 180 Design of treatability studies on Hygas coal gasification pilot-plant waste-waters
 0178 220 A synopsis of C-MU technical contributions to the DOE Coal Gasification Environmental Program, Second Annual Report for July 1977 - July 1978
 0178 230 Test plan for the environmental characterization of the bi-gas pilot-plant

- 0178 241 Preliminary investigation: time variability of the pretreater condensate composition at the hygas pilot-plant
 0178 242 Exploratory analysis of variations in aqueous gasification effluent characteristics with time
 0178 249 Gas-phase environmental data from second generation coal gasification processes
 0178 250 Comments concerning environmental assessment activities at the bi-gas pilot-plant
 0178 254 Significance of process variables on liquid-effluent production in coal gasification
 0178 255 Environmental assessment in the ERDA coal gasification development program. First annual report. July 1976 - July 1977
- 0178 258 Experimental analysis of biological oxidation characteristics of hygas gasification wastewater
 0178 261 Characterization of effluent from the Bi-Gas pilot-plant
 0178 264 Manual of methods: preservation and analysis of coal gasification wastewaters
 0178 270 Energy conservation in coal conversion. Selected case studies and conservation methodologies. Final report for September 1977 - September 1978
- 0178 274 Analysis of RA-21 effluent-data: GFERC slagging fixed-bed gasifier
 0178 275 Determination of cyanide levels in Hygas wastewater
 0178 300 Computer-aided analysis of coal gasification pilot-plant data bases
 0178 308 Characterization of hydrogen-cyanide production in coal gasification
 0178 333 Experimental analysis of the leaching characteristics of residual Hygas coal gasification solids
 0178 395 The thermodynamic performance of two combined cycle power plants integrated with two coal gasification systems - dissertation
- 0179 131 Operation of a sampling train for the analysis of environmental species in coal gasification gas-phase process streams
- 0179 282 Studies of phenolic compound decomposition under synthane gasifier conditions - final report
 0180 0 Leach Characteristics of coal-gasification char
 0180 61 Biological treatment of a coal gasification process wastewater
 0181 172 A structure-based kinetic model for carbonation of sulfided dolomite at elevated temperatures
 0181 177 Evaluation of treatment technologies for water reuse in coal gasification
 0182 8 Gas evolution during rapid, low-temperature pyrolysis of a North-Dakota lignite
 0277 26 Synthoil hydrodynamics
 0473 1 A program of Research, Development and Demonstration for enhancing coal utilization to meet National Energy Needs
- 0577 12 A methodology for assessing cross-media environmental impacts of coal conversion plants
 0577 16 Influence of time variability on the design of sampling strategies for coal gasification waste-waters
 0578 53 Cross media environmental impacts of air-pollution regulations for a coal-fired power-plant
 0578 68 Analysis of coal wastewater analytical methods: A case study of the hygas pilot-plant
 0578 73 Effluent data analysis computer program
 0578 89 Assessment of environmental characterization activities for the slagging fixed-bed gasification facility at the Grand-Forks energy research center
- 0578 120 Biological treatment of hygas coal gasification wastewater
 0579 47 Cross-media environmental impacts of coal-fired power-plants: An approach using multi-attribute utility theory
 0580 98 Air pollution emissions from increased industrial coal use in the northeastern United States
 0580 154 Leach characteristics of coal-gasification char
 0581 20 Reaction mechanism of half-calcined dolomite during sulfidation
 0581 59 Treatment of coal coking and coal gasification wastewaters
 0677 227 Study of the Mechanism of the hydrogen-sulfide/dolomite reaction, Annual report. July 1976 - June 1977
 0678 190 Study of the Mechanism of the hydrogen sulfide/dolomite reaction, Annual report. July 1977 - June 1978
 0680 135 Modeling the devolatilization behavior of a softening bituminous coal
 0681 160 Switching from oil to coal firing for steam raising: A case study at a large industrial site
 1078 43 Moessbauer-spectroscopy of iron in coal and coal hydrogeneration products
 1078 93 Characterization of effluents from the carbon-dioxide-acceptor coal gasification process

CAROLINA POWER & LIGHT COMPANY, RALEIGH, NORTH CAROLINA

0380 174 Determining the optimum size of a coal silo

CARR, DONALD & ASSOCIATES, TORONTO, ONTARIO

0879 9 Thunder-Bay terminals ltd. - Terminal plant design

CORPORATE AUTHOR INDEX

- CARTER OIL COMPANY, HOUSTON, TEXAS
0477 114 Let's make the most of our coal resources
- CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO
0173 47 Catalyzed hydrogasification of coal-chars
0580 22 Electrochemical disposal of H₂/2 S, final report, August 31, 1977 - August 30, 1979
1077 16 Study of coal reactivities, Annual Report, June 1976 - May 1977
1082 20 Chemical characterization of solid coals through magic-angle C-13 nuclear magnetic resonance
- CASTROP RAUXEL, GERMANY
1080 32 Examination of the influence of natural quinoline-insoluble material on the kinetics of mesophase formation
- CATALYSIS RESEARCH CORPORATION
0180 310 Direct catalytic methanation of raw synthesis gas
- CATALYSTS AND CHEMICALS INC., LOUISVILLE, KENTUCKY
1078 92 Sulfur resistant methanation catalyst. Final report for the period July 1975 - January 1978
- CATALYTIC ENTERPRISES LTD., SARNIA, ONTARIO
0381 107 Chemical comminution of Nova Scotia coals
- CATALYTIC, INC., CHARLOTTE, NORTH CAROLINA
0172 14 Applicability study - Coal Gasification Process
- CATALYTIC, INC., PHILADELPHIA, PENNSYLVANIA
0178 121 Gas extraction of a western sub-bituminous coal
0279 68 Supercritical extraction of coal
0279 209 Preliminary engineering evaluation of promising coal liquefaction concepts. Final report
0379 40 Chemical communication: An improved route to clean coal
0578 48 Pollution control critical in coal conversion processes
- CATALYTIC, INC., WILSONVILLE, ALABAMA
0277 42 Solvent-Refined-Coal (SRC) process operation of Solvent Refined Coal Pilot Plant at Wilsonville, Alabama. Annual report, January - December 1976
0278 119 Solvent-refined-coal (SRC) process: Operation of solvent-refined-coal pilot-plant at Wilsonville, Alabama. Annual report, January - December 1977
0281 291 Filtering coal liquids: Clogging phenomena in the filtration of liquefied coal
0282 76 Performance of coal liquefaction solvents in selective recycle operation
0282 101 Materials for the SRC-I demonstration plant
- CATALYTICA ASSOCIATES, INC., SANTA CLARA, CALIFORNIA
0278 49 Catalysts in coal conversion
0280 241 Incentive for sulfur-tolerant methanol catalyst
0281 215 A technological perspective for catalytic processes based on synthesis gas
- CATHOLIC UNIVERSITY OF AMERICA, WASHINGTON, DISTRICT OF COLUMBIA
0681 59 Heterogeneous gas-solid reaction studies in a high temperature diffusion cell: the effect of sodium chloride on sulfur capture in fluidized bed combustion
- CELANESE FIBERS COMPANY, CUMBERLAND, MARYLAND
0681 17 Early operation of the Celanese Fibers Company coal-fired boiler using the dry flue gas cleaning system
- CEMENT RESEARCH INSTITUTE OF INDIA, NEW DELHI, INDIA
0380 49 A process for separation of silica from siliceous magnesian limestones

- CEMENTATION MINING LIMITED, DONCASTER, UNITED KINGDOM
0480 44 Some practical aspects in the development of the Selby project
- CENTER CONSULTANTS, RESTON, VIRGINIA
0181 169 Process for the concurrent production of hydrogen, carbon-monoxide and low-volatile, low sulfur char by flash carbonization of coal.
- CENTER FOR ANALYTICAL CHEMISTRY, NATIONAL BUREAU OF STANDARDS, WASHINGTON, DISTRICT OF COLUMBIA
1081 97 Selective quenchofluorometric detection of fluoranthenic polycyclic aromatic hydrocarbons in high-performance liquid chromatography
- CENTRAL AND SOUTH WEST FUELS INC., DALLAS, TEXAS
0481 20 Selecting and using large walking draglines for deeper overburden stripping
- CENTRAL ELECTRICITY GENERATING BOARD, HAMPSHIRE, UNITED KINGDOM
0681 33 Spontaneous combustion in beds of small fuel particles
- CENTRAL ELECTRICITY GENERATING BOARD, LONDON, UNITED KINGDOM
0381 33 Improvements in or relating to clinker material including pulverised fuel ash
0481 106 On predicting spontaneous combustion
0581 94 Disposal of ash from U.K. power stations: environmental problems and answers
- CENTRAL ELECTRICITY GENERATING BOARD, MIDLANDS, UNITED KINGDOM
1080 57 An investigation into the British standard high temperature method for the determination of chlorine in coal
- CENTRAL ELECTRICITY GENERATING BOARD, NOTTINGHAM, UNITED KINGDOM
0681 13 Fireside corrosion of reheater tubes
- CENTRAL ELECTRICITY RESEARCH LABORATORIES, LEATHERHEAD, UNITED KINGDOM
0181 205 Limitations on the use of alloys in coal gasifiers for power generation
0380 15 Magnetic measurements on coal
0580 92 The carbon dioxide problem: A brief assessment of the present position
0680 55 A proposed on-line efficiency method for pulverized-coal-fired boilers
0680 123 A proposed on-line efficiency method for pulverized-coal-fired boilers
0680 131 Combustion problems associated with high chlorine coals
0680 164 An investigation of water leaching of some British coals
0680 185 Quartz, sulphates and trace elements in PF ash
1079 64 Sintering characteristics and electrical resistivity of refuse ashes
1080 174 Microstructural studies of chlorine in some British coals
- CENTRAL FUEL RESEARCH INSTITUTE, BIHAR, INDIA
0379 129 Improved process for demineralisation of coal by oil agglomeration technique
1081 21 Hydrogenolysis and the isolation of structural units of coal
- CENTRAL FUEL RESEARCH INSTITUTE, DHANBAD, INDIA
0178 144 Calculation of molar free energy functions and yields of hydrocarbons produced in plasma pyrolysis of coal
0178 160 Coal gasification for dual cycle power generation
0277 80 Coking characteristics of heavy oil from coal hydrogenation - Comparison with petroleum
0280 244 Middle distillates by catalytic hydrogenation
0281 281 Catalytic liquefaction of coal
0379 93 A study on the role played by the mineral constituents during grinding operation of coal by Hardgrove method
0380 68 A process for the demineralisation of coals
0678 128 Development of fluidized combustion boilers for Indian coals
0680 44 Optimization of reaction variables of permanganate oxidation of coal
1077 59 Devolatilization characteristics of carbonaceous solid fuels, with special reference to coal
1078 117 Calcined coke from coal hydrogenates - Comparison with calcined petroleum coke
1078 137 A nomogram for scientific and commercial evaluation of coal

CORPORATE AUTHOR INDEX

- 1078 139 Griffith's cracks theory and strength of carbonaceous materials
- 1079 61 Mechanistic study of hydrogenation of coal. 2.
- 1079 62 Mechanistic study of hydrogenation of coal. 1.
- 1079 111 Products of carbonization of coal in relation to certain structural parameters - a status report
- 1082 47 Theoretical maximal yield of acetylene from coals by plasma pyrolysis

- CENTRAL INSTITUTE FOR INDUSTRIAL RESEARCH, BLINDERN, NORWAY
 - 0580 198 Use of PAH tracers during sampling of coal fired boilers

- CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, DURGAPUR, INDIA
 - 0678 131 Bed-to-wall heat-transfer in a fluidized-bed coal combustor
 - 0679 199 Investigation on coal combustion and its application to furnace design
 - 0680 17 Prediction of the burning rate of coal in fluidized-bed combustion

- CENTRAL MINING INSTITUTE, KATOWICE, POLAND
 - 0279 59 Activity of ni-moly catalysis in tetralin or decalin dehydrogenation and hydrogenation of coal-extract solution
 - 0481 78 Bursting liability indices of coal
 - 0678 246 Rapid pyrolysis of coals in a hydrogen plasma

- CENTRAL MINING RESEARCH INSTITUTE, DHANBAD, INDIA
 - 0479 169 Investigation into strata control failures at caved longwall faces in India and a new approach for support planning to avoid such occurrences
 - 0482 107 Atomic absorption spectrophotometric and x-ray studies of respirable dusts in Indian coal mines

- CENTRAL RESEARCH AND DESIGN INSTITUTE FOR OPEN PIT MINING, POLTEGOR, WROCLAW, POLAND
 - 0578 21 Effects of the disposal of coal waste and ashes in open-pits

- CENTRAL RESEARCH LABORATORY, ONODA CEMENT CO. LTD., JAPAN
 - 0679 108 Pulverised coal combustion successfully used in RSP system

- CENTRALNY OSRODEK BADAWCZO ROZWOJOWY PRZEMYSLU BETONOW 'CEBET', WARSAW, POLAND
 - 0680 100 Method of production of cellular concrete

- CENTRE DE RECHERCHE SUR LA PHYSICO CHIMIE DES SURFACES SOLIDES, MULHOUSE, FRANCE
 - 1080 35 Structural modes of sulphur-bitumen composites as studied by electron microscopy
 - 1080 60 Dynamic-mechanical properties of a bitumen-silica composite II. Temperature- concentration and frequency-silica concentration equivalence
 - 1080 61 Dynamic-mechanical properties of a bitumen-silica composite III. Modelling of the behaviour of bitumen-silica composites and confirmation of the equivalence principles
 - 1080 74 Structural modes of sulphur in sulphur-bitumen composites as studied by electron-microscopy

- CENTRE DE RICHERCHES METALLURGIQUES CENTREM VOOR RESEARCH IN DE METALLURGIE, BRUSSELS, BELGIUM
 - 0379 120 Manufacturing metallurgical coke

- CENTRE FOR ENVIRONMENTAL STUDIES, UNIVERSITY OF MELBOURNE, PARKVILLE, VICTORIA, AUSTRALIA
 - 1079 195 Deduction of the structure of brown coal by reaction with phenol

- CENTRO DE TECHNOLOGIA PROMON, RIO DE JANEIRO, BRAZIL
 - 0679 197 Economics and concepts of industrial coal fluidized bed combustion in Brazil

- CENTRUM VOOR OPPEVLAKTESCHIKUNDE EN COLLOIDALE SCHEIKUNDE, KATHOLIEKE UNIVERSITEIT LEUVEN DE CROYLAAN, HEVERLEE, BELGIUM
 - 0178 130 Carbon monoxide hydrogenation over ruthenium zeolites

- CENTURY OILS LIMITED, HANLEY, STOKE ON TRENT, UNITED KINGDOM
 0382 12 Factors influencing the need for improved reagent systems for the flotation of coal
 0479 124 Fire-resistant fluids -- Their application in British mines
- CERCHAR, VERNEUIL EN HALATTE, FRANCE
 0580 4 The French cement-manufacturing industry's return to coal
- CHALMERS UNIVERSITY OF TECHNOLOGY, SWEDEN
 0680 120 Mathematical modelling of fluidised bed combustors
- CHAMBER OF MINES RESEARCH LABORATORIES, JOHANNESBURG, SOUTH AFRICA
 0480 8 Pillar design in coal mines
 0480 26 Longwall mining in shallow, moderately thick South-African coal seams
- CHARBONNAGES DE FRANCE, PARIS, FRANCE
 0182 81 Major problems, first results and projects of underground gasification of deep coal in France
 0480 35 Planning and data processing in collieries operations
 1179 32 What will be the price for energy tomorrow?
- CHARLES D. VELZY ASSOCIATES, INC., ARMONK, NEW YORK
 0677 106 Three years of operating experience with a waterwall boiler at the oceanside disposal plant
- CHATHAM COLLEGE, PITTSBURGH, PENNSYLVANIA
 0281 278 The Fe-S-O-H system under coal liquefaction conditions
- CHEM SYSTEMS, INC., FAIRFIELD, NEW JERSEY
 0179 331 Liquid-phase methanol, final report
 0279 233 A case history of a fixed bed, coal-derived oil hydrotreater
 0281 86 A case history of a fixed bed, coal-derived oil hydrotreater
 0282 134 Alcohol-based fuels from syngas
- CHEM SYSTEMS, INC., NEW YORK, NEW YORK
 0171 3 Development of a process for producing an ashless, low-sulfur fuel from coal
 0173 29 Liquid phase methanation
 0176 87 Liquid phase methanation/shift, Final report, July 1975 - September 1976
 0179 70 Liquid Phase methanation/shift-pilot plant operation and laboratory support work
 0179 195 Synthetic-gas and chemicals from coal: Economic appraisals
 0179 205 Coal-based chemical complex
- CHEMETALS CORPORATION, BALTIMORE, MARYLAND
 0380 77 In-cell manganese ore reduction
- CHEMICAL ENGINEERING RESEARCH GROUP, CSIR, SOUTH AFRICA
 0281 233 Selectivity in the Fischer-Tropsch synthesis using heterogeneous catalysis
- CHEMICO AIR POLLUTION CONTROL COMPANY, NEW YORK, NEW YORK
 0677 256 Magnesia scrubbing applied to a coal-fired power plant
- CHEVRON RESEARCH COMPANY, RICHMOND, CALIFORNIA
 0176 117 Countercurrent plug-like flow of two solids
 0180 69 Converting SRC-II process product to transportation-fuel
 0276 55 The cost and possible timing of synthetic liquid fuels from coal
 0278 142 Refining and upgrading of synfuels from coal and oil-shales by advanced catalytic processes. Final interim report, Processing of Paraho Shale-Oil
 0279 227 Refining and upgrading of synfuels from coal and oil shales by advanced catalytic process - Second Interim Report Laboratory and Pilot Plant studies of the processing of SRC-I
 0279 228 Refining and upgrading of synfuels from coal and oil shales by advanced catalytic processes - Quarterly Report

- April-June, 1979

- 0280 365 Catalytic hydroprocessing of SRC-II and H-coal syncrudes for BTX feedstocks
 0281 238 Catalytic upgrading of SRC-II syncrude
 0281 239 Catalytic upgrading of H-Coal syncrudes
 0282 90 The Chevron coal liquefaction process (CCLP)
 0781 12 Possible significance of the relative concentrations of terpanes, terpenes, steranes, and cadalene in six United-States coals
 1078 125 Analysis of five United-States coals: Pyrolysis gas chromatography-mass spectrometry-computer and thermal gravimetry-mass spectrometry-computer methods
 1079 112 Analysis of heavy distillates, residues, and crudes by liquid and supercritical fluid chromatographic techniques, supercritical fluid chromatography
 1081 11 Medium-resolution mass spectrometry as a nitrogen compound specific detector
 1081 47 Alkylbenzenes derived from carotenes in coals by GC/MS
- CHEVRON RESEARCH COMPANY, SAN FRANCISCO, CALIFORNIA
 0180 107 Ethanolamine in a method of recovering coal in aqueous slurry form
 0281 304 Three-stage coal liquefaction process
- CHIBA UNIVERSITY, CHIBA, JAPAN
 0182 52 Reaction of sulfides in fuel gases with the iron oxide in coal ashes. Fixed-bed experiments and simulations
- CHICAGO BRIDGE AND IRON COMPANY, OAK BROOK, ILLINOIS
 0176 91 Cost study, shop assembly vs field assembly of heavy wall coal gasifier reactor vessels. Final report
- CHINOOK FUEL INNOVATIONS LTD., CALGARY, ALBERTA
 0281 218 Prince Coal's coming of age
- CHIYODA CHEMICAL ENGINEERING AND CONSTRUCTION COMPANY, LIMITED, YOKOHAMA, JAPAN
 0279 136 Upgrading of residual oils by asphaltene conversion
- CHUBU INSTITUTE, KASUGAI, JAPAN
 0181 169 Process for the concurrent production of hydrogen, carbon-monoxide and low-volatile, low sulfur char by flash carbonization of coal.
- CIBA GEIGY OF INDIA LTD., BOMBAY, INDIA
 0580 183 Emissions of coal fired and oil fired boilers: A case study
- CITIES SERVICE COMPANY, CRANBURY, NEW JERSEY
 0179 215 Model for short residence time hydroprocessing of single coal particles
 0179 253 Evaluation of the flash hydroprocessing technique for coal gasification
 0180 51 A process concept for the production of benzene-ethylene-SNG from coal using flash hydroprocessing technology
- CITIES SERVICE COMPANY, TULSA, OKLAHOMA
 0180 255 The CS/R advanced SNG hydrogasification process
 0181 91 Effect of selected catalysts on hydroprocessing of Utah bituminous and Montana rosebud coals
 0279 232 Solid SRC - a building block
 0280 66 LC-Fining of solvent refined coal
 0280 191 Short residence hydroprocessing for coals
 0280 262 Multi tube high pressure, high temperature reactor
 0280 309 LC-fining of solvent refined coal - SRC-I and short contact time coal extracts
 0281 71 Petrochemical feedstocks production by CS/R hydroprocessing of Alberta Forestburg subbituminous coal
 0281 198 LC-Fining support activities for two-stage liquefaction
 0281 241 LC-fining of solvent-refined coal. SRC-I and short-contact-time coal extracts
 0282 53 Flash hydroprocessing of Western Kentucky bituminous coal
 1078 109 Commercial scale expanded bed hydroprocessing of solvent-refined-coal (SRC) extract

CITIES SERVICE GAS COMPANY, OKLAHOMA CITY, OKLAHOMA

- 0177 93 Coal gasification and its alternatives
- 0279 119 Two-step coal liquefaction is a hydrogen efficient route to distillate fuels
- 0279 120 LC-Fining of SRC - a logical second stage in two-step coal liquefaction

CITIES SERVICE TECHNOLOGY CENTER, TULSA, OKLAHOMA

- 1081 159 Reversed-phase HPLC retention behavior of coal-related nitrogen heterocyclic compounds

CITY COLLEGE OF NEW YORK, NEW YORK, NEW YORK

- 0279 223 Fluid bed hydrogenation of agglomerating bituminous coals
- 1081 20 Correlation of coal volatile yield with oxygen and aliphatic hydrogen

CITY OF NEW YORK, DEPARTMENT OF PORTS AND TERMINALS, NEW YORK, NEW YORK

- 0882 8 Stapleton: proposed coal export terminal on Staten Island, New York, using coal slurry technology

CITY UNIVERSITY OF NEW YORK, NEW YORK, NEW YORK

- 0178 317 Modeling and control of a fluidized-bed gasifier
- 0181 115 Design of high-velocity fluid-beds for flash hydrogenation
- 0276 87 Flash hydrogenation of coal. 1. Experimental methods and preliminary results
- 0276 88 Flash hydrogenation of coal. 2. Yield structure for Illinois No. 6 coal at 100 atm

CITY UNIVERSITY, LONDON, UNITED KINGDOM

- 0880 28 Transient propagation in slurries with hold-up

CLARK EQUIPMENT COMPANY, BENTON HARBOR, MICHIGAN

- 0879 35 Front end loaders

CLARK UNIVERSITY, WORCESTER, MARYLAND

- 0180 52 Mechanism of alkali metal catalysis in the gasification of coal, char, or graphite

CLEMSON UNIVERSITY, CLEMSON, SOUTH CAROLINA

- 1179 50 Three modes of energy cost analysis: Then-current, base year, and perpetual- constant dollar

CLIFTON ASSOCIATES, REGINA, SASKATCHEWAN

- 0480 164 The cyclic mobility of a fine dense sand due to the load-unloading cycle and vibration of a large dragline

CLIMAX MOLYBDENUM COMPANY, ANN ARBOR, MICHIGAN

- 0180 112 Delta ferritic heat-resistant chromium-molybdenum steels with improved rupture strength

CLIMAX MOLYBDENUM COMPANY, CLIMAX, COLORADO

- 0479 239 A brief analysis of MSHA training regulations

COAL ASSOCIATION OF CANADA, CALGARY, ALBERTA

- 0477 76 Mining practice guide for the Canadian mining and metallurgical industries
- 0478 145 Coal Canada Directory, Members & Associates of the Coal Association of Canada
- 1180 0 World coal study (WOCOL) - country report for Canada
- 1181 2 Coal in the Canadian context

COAL INDUSTRY (PATENTS) LIMITED, LONDON, UNITED KINGDOM

- 0181 218 Fluidized bed system
- 0281 324 Gas phase coal extraction
- 0282 138 Coal extract processing
- 0680 138 Improvements in or relating to fluidised bed combustion
- 1082 51 Active carbon agglomerates

- COAL MINE SAFETY AND HEALTH ADMINISTRATION, USA
0479 229 MSHA looks at dust control in longwall mining
- COAL MINING RESEARCH CENTER, TOKYO, JAPAN
1081 110 Wettability of coal estimated from the contact angle
- COAL MINING RESEARCH CENTRE, EDMONTON, ALBERTA
0381 5 The purpose and practice of coal preparation in Canada
0381 22 Coal Mining Research Centre: Program and facilities for coal preparation research
0382 5 Coal cleaning by counter-current fluidized cascade
0382 14 Drying low rank coal
0478 284 More accurate determination of coal stockpile inventories
0481 35 Application of a cross-pit bridge conveyor system in mining
0981 1 Compilation of Canadian research projects in coal exploration, mining and preparation 1981
1182 3 Canadian facilities for coal research and development
- COAL PREPARATION AND ANALYSIS LABORATORY, PITTSBURGH, PENNSYLVANIA
0376 18 Physical desulfurization of fine-size coals on a spiral concentrator
0377 32 Generalized distribution curve for characterizing the performance of coal cleaning equipment
- COAL PROCESSING CONSULTANTS LIMITED, HARROW, UNITED KINGDOM
0680 215 Coal-fired fluid bed combustion augmented compressed air energy storage systems
0681 204 Fluidized bed combustion for the production of process heat, steam and electricity
0681 217 Compressed air energy storage using coal-fired fluidised bed combustors: a preliminary evaluation
- COAL PROCESSING CONSULTANTS LIMITED, PITTSBURGH, PENNSYLVANIA
0677 260 Impact of fluidized bed combustion on U.S. coal mining and use
- COAL PROCESSING CONSULTANTS LIMITED, VANCOUVER, BRITISH COLUMBIA
0681 1 Fluidized bed combustion
- COAL RESEARCH ASSOCIATION, WELLINGTON, NEW ZEALAND
0578 49 Water solubility of borate in coal-ash
1080 25 Graphical method for determination of the mineral-matter-free properties of coal and the mineral matter-ash ratio
1081 24 Expressing the results of analysis of low-rank coal
- COAL RESEARCH BUREAU, WEST VIRGINIA UNIVERSITY, MORGANTOWN, WEST VIRGINIA
0175 61 Coal agglomeration and conversion symposium
0175 62 Control of agglomeration in coal hydrogasification
0175 63 Deagglomeration of coals
0175 64 Gasification of agglomerating coal to high-Btu-gas
0175 65 Behavior of caking coals in fixed-bed gasifiers
0175 66 Destruction of agglomeration properties of coal
0175 67 Agglomeration as a factor in the design of low-Btu gasification systems
0275 18 Coal plasticity mechanism: Inferences from liquefaction studies
0275 19 Agglomeration as a factor in the non-catalytic liquefaction of coal
0275 20 Conversion of caking coals to low sulfur fuel-oil in the Synthoil process
0477 140 Roof bolting patterns at the four-way entry intersections
0577 4 Coal Refuse Disposal
0675 8 The effects of agglomerating characteristics of coals on combustion in pulverized fuel boilers
0675 9 Fluidized-bed combustion of coarse agglomerating coals
1073 9 Major and minor constituents in siliceous materials by atomic absorption-spectroscopy
1078 86 Coal minerals bibliography, Final Report, June 1977 - July 1978

- COAL RESEARCH ESTABLISHMENT, CHELTENHAM, UNITED KINGDOM
 0178 383 The use of non-fossil derived hydrogen in coal conversion process - final report
 0279 100 Coal liquefaction
 0279 183 The formation of BTX by the hydrolysis of coals
 0281 26 Application of methylation to the separation of coal extracts
 1078 108 Proposals for coal utilization developments of fluidized bed combustion for power generation. Pyrolysis. A composite gasifier
- COAL TECH FARRIER, YORK, PENNSYLVANIA
 0679 139 Superfine coal: the existing solution to greater coal usage
- COAL UTILISATION RESEARCH LABORATORY, LEATHERHEAD, UNITED KINGDOM
 0781 29 The Influence of coal type on devolatilization and combustion in fluidized beds
- COALLIQUID, INC., LOUISVILLE, KENTUCKY
 0681 125 Use of coal/oil mixtures as an industrial fuel
- COALMET CORPORATION, COLUMBUS, OHIO
 0380 73 Method of treating coal to reduce total sulfur content
- COALSTREAM PIPELINE COMPANY, WINTER PARK, FLORIDA
 0882 35 Coalstream pipeline project
- COCHRAN DEAN COMPANY, OKLAHOMA CITY, OKLAHOMA
 0182 97 Directional drilling as a means of creating gasification flow paths in underground coal gasification
- COFLEXIP & SERVICES INCORPORATED, HOUSTON, TEXAS
 0882 19 An examination of flexible pipe for slurry use
- COGAS DEVELOPMENT COMPANY, PRINCETON, NEW JERSEY
 0281 352 Hydrotreatment of COGAS pyrolysis oil via the H-oil process
 0282 114 Literature review of toxicological properties of petroleum and coal-derived oil products
- COLCRETE LIMITED, ROCHESTER, KENT, UNITED KINGDOM
 0479 135 Consolidation of old coal workings
- COLLEGE OF CAPE BRETON, SYDNEY, NOVA SCOTIA
 0478 144 Roof weakness: Fossilization and (cyclic) regenerative hydrated sulfates
 0481 152 Prediction of methane in Cape Breton mines
 0682 60 Tentative identification of chemical elements likely to escape in the atmosphere at the Lingan coal-fired power plant, Lingan, Nova Scotia
 0780 3 Hydrated sulfates from Sydney coalfield, Cape Breton Island, Nova-Scotia, Canada: The copiapite group
- COLORADO GEOLOGICAL SURVEY, DENVER, COLORADO
 0480 115 Methane in Colorado's minable coal beds - an overlooked energy source
 0580 188 Chemical analyses of water wells in selected stripminable coal and lignite areas, Denver Basin, Colorado
 0778 14 Bibliography and index of publications related to coal in Colorado, 1972 - 1977
 0780 24 Coking-coal deposits in Colorado
 1080 86 Petrology and coking potential of selected coals from the Piceance Creek Basin, Colorado
- COLORADO MINING ASSOCIATION, DENVER, COLORADO
 0477 109 Mining year book 1977: Papers presented at the national western mining conference and exhibition, 80th anniversary

COLORADO SCHOOL OF MINES, GOLDEN, COLORADO	CORPORATE AUTHOR INDEX
0177 58	Roof stability and subsidence in In-situ gasification of coal
0177 66	Fracture mechanics and stress analysis associated with underground coal gasification
0278 217	Kinetics of the hydrodenitrogenation of nitrogen compounds in a coal-derived oil - dissertation
0278 218	Enthalpy measurements for coal-derived liquids - dissertation
0280 272	Mechanisms and kinetics of coal hydrogenation, quarterly progress report, July - September 1980
0281 61	Hydrodenitrogenation of SRC-I recycle solvent: Catalyst screening and reactivity of nitrogen heterocycles
0281 105	Deposit formation in liquid fuels. I Effect of coal-derived Lewis bases on storage stability of Jet A turbine fuel
0281 108	Mechanisms and kinetics of coal hydrogenation
0281 314	Mechanisms and kinetics of coal hydrogenation - Quarterly Progress Report for period - October-December, 1980
0282 14	Reactivity of coal towards hydrogenation - ranking by kinetic measurements
0282 105	Measurement and correlation of the enthalpy of coal-derived liquids
0282 130	Modeling of bench-scale coal liquefaction systems
0378 4	Coal preparation: computer simulation of plant performance
0379 44	Coal beneficiation with magnetic fluids
0476 29	Second Institute on Coal Mine Health and Safety
0477 49	Structure vibrations from blast-produced-noise
0477 50	Spectral analyses of air and ground vibrations from blasting in surface coal mines
0477 51	Simultaneous far-field arrival of air overpressures for millisecond delayed blasting
0477 52	Studying rock-mass behavior associated with longwall mining of coal by installing instruments from surface
0477 53	Subsurface rock-mechanics instrumentation program for demonstration of shield-type longwall supports at York-Canyon, Raton, New-Mexico
0477 54	Roof control studies at Olga No. 1 Coal Mine, Coalwood, WV
0477 55	Criteria for the proximity of surface-blasting to underground coal mines
0477 56	A relationship between the ultimate compressive strength of cubes and cylinders for coal specimens
0477 57	The use of geological/geotechnical investigation as an aid to mine planning
0477 58	Rock-mechanics for a longwall mine design, Carbon-County-Coal-Company
0477 59	Three-dimensional analysis of a single and double-entry coal mine
0477 60	Consideration in the development of a water-jet-cutting-head
0477 61	Coal mine pillar strength and deformation prediction through laboratory sample testing
0477 62	Detection, delineation and location of hazards using ground-probing-radar in coal mines
0477 77	Application of cement-grout to coal mine roof-bolting
0477 93	Third Institute on Coal Mine Health and Safety
0480 194	Dealing with subsidence and SMCRA
0481 29	Basic properties of ammonium nitrate fuel oil explosives (ANFO)
0481 55	Laboratory evaluation of underground coal mine trailing cable splices
0481 130	How to evaluate the economics of dragline stripping alternatives
0481 141	Methane from coal
0482 30	Principles of rock drilling and bit wear - Part 1
0775 2	Studies of seismic guided waves: The continuity of coal seams
0776 13	Seismic effects of faulting in coal seams: Numerical modeling
0777 15	Deltaic and interdeltaic stratigraphy and sedimentology of the Fox-Hills and associated formations in the central front
0780 16	Stratigraphic and structural aspects of coal in upper Cretaceous Menefee and Fruitland formations at Durango, Colorado
0780 17	Wave-dominated deltas: an important economic depositional model for upper Cretaceous of southwestern Wyoming
0780 30	Seismic seam waves in the coal basin of Colorado
0780 31	Hole-to-Hole seismic seam wave observations
0781 31	Geotechnical centrifuges for model studies and physical property testing of rock and rock structures
0881 32	Differential flow rheometer
0882 41	Technical aspects of shiploading coal slurries
1077 6	Strength characteristics of United-States coals
1081 157	Quantitative Investigations of pyrite and coal

COLORADO STATE UNIVERSITY, FORT COLLINS, COLORADO

0179 119 Applications of cross polarization magic-angle spinning carbon-13 NMR to in-situ coal gasification
 0479 220 Environmental effects of Western Coal surface mining. Part I. The limnology and biota of mine spoils ponds in northwest Colorado
 0479 227 An evaluation of mass respirable and dust count sampling techniques
 0577 71 Wildlife inventory and analysis of some energy development impacts
 0578 33 Aluminum and manganese toxicities in acid coal mine wastes
 0579 108 Environmental effects of Western coal surface mining. Part III: The water quality of Trout Creek, Colorado
 0580 117 Environmental effects of Western coal combustion: Part III - The water quality of Rosebud-Creek, Montana
 0580 176 Environmental effects of Western coal combustion: Part IV - Chemical and physical characteristics of coal fly ash

0581 27 Identification and quantitation of carbonate compounds in coal fly-ash
 0581 46 Nonphotochemical decomposition of fluorene vapor-adsorbed on coal fly ash
 0678 68 Theoretical consideration of the adsorption of polynuclear aromatic hydrocarbon vapor onto fly-ash in a coal-fired power-plant
 0781 4 Pyrometamorphism caused by the Hanna II, phases 2 and 3 underground coal gasification experiment
 1078 184 Carbon-13 NMR studies of coals and oil shales
 1079 30 Characterization of organic material in coal by proton-decoupled carbon-13 nuclear-magnetic-resonance with magic-angle spinning
 1079 248 Carbon-13 NMR studies of coals by cross polarization and magic-angle spinning
 1081 190 C-13 NMR on solid samples and its application to coal science
 1082 22 Carbon-13 nuclear magnetic resonance characterization of coal macerals by magic-angle spinning
 1082 45 Structural resolution in the Carbon-13 nuclear magnetic resonance spectrometric analysis of coal by cross polarization and magic-angle spinning
 1082 46 Spin dynamics in the carbon-13 nuclear magnetic resonance spectrometric analysis of coal by cross polarization and magic-angle spinning

COLUMBIA GAS SYSTEM SERVICE CORPORATION, COLUMBUS, OHIO

0179 197 Catalytic enhancement of coal gasification program

COLUMBIA UNIVERSITY, NEW YORK, NEW YORK

0173 38 Arc synthesis of hydrocarbons
 0280 336 Ultrafiltration de-ashing process for solvent refined coal
 0478 266 Investigations of differential strata movements and water table fluctuations during longwall operations at the Somerset mine No.-60. Final technical report as of October, 1978

COMBUSTION ENGINEERING SUPERHEATER, LTD., OTTAWA, ONTARIO

0677 251 Steam generation with western-Canadian coals

COMBUSTION ENGINEERING, INC., BIRMINGHAM, ALABAMA

0580 180 C-E dry scrubber systems: application to western coals

COMBUSTION ENGINEERING, INC., WINDSOR, CONNECTICUT

0176 101 Mathematical modeling of chemical processes for low-Btu gasification of coal for electric-power generation. Final report. February 1975 - August 1976
 0177 101 Study of plant metallurgical requirements for low-Btu gasification of coal for electric-power generation
 0177 233 The test program for low-Btu gasification of coal for electric-power generation. Final report, R&D Task 14 (Phase 1)
 0177 251 Environmental considerations for low-Btu gasification of coal for electric-power generation
 0177 254 Dynamic flow model for low-Btu gasification of coal for electric-power generation. Final report R & D Task 9 (Phase 1)
 0177 255 Automated data acquisition and data reduction for low-Btu gasification of coal for electric-power generation
 0177 266 Sampling and analysis requirements for low-Btu gasification of coal for electric-power generation
 0178 306 Evaluation of design parameters for slagging furnaces for low-Btu gasification of coal for electric-power generation final report
 0179 285 coal gasification for power-plant fuel
 0180 9 A low-Btu coal gasification scheme

CORPORATE AUTHOR INDEX

0181 188	Application of test experience from Combustion Engineering's process development unit to mathematical modeling of entrained flow coal gasification
0282 167	Effect of liquefaction processing conditions on combustion characteristics of solvent refined coal - Interim Report
0677 43	A unitized 500-megawatt fluidized-bed boiler design
0677 70	Overfire air technology for tangentially fired utility boilers burning western United-States coal
0677 90	Improved thermal efficiency by control of factors affecting metal wastage in pulverized coal-fired steam generators
0677 184	Industrial application of fluidized-bed combustion
0677 193	TVA AFBC demonstration power-plant program preliminary design by Combustion Engineering
0677 194	NYSEDA-EPRI AFBC retrofit project conceptual boiler design
0677 234	Hazard Analysis study for low-Btu gasification of coal for electric-power generation
0678 161	Preliminary design study for a fluidized-bed demonstration unit. Final report
0679 102	Fluidized-bed industrial boiler
0680 98	DOE cost comparison study: industrial fluidized bed combustion vs. conventional coal technology
0680 220	Supplementing coal with solid waste fuels
0680 226	Cofiring coal and refuse-derived fuel in a utility steam generator: operational experience and corrosion probe evaluation
0681 207	Fluidized bed combustion meeting energy needs of the future
0681 218	An aerodynamic study of an operating tangential fired furnace
0882 30	Maintenance of coal slurry dewatering equipment and the application of a Predix diagnostic system
1079 105	The use of gravity fractionation techniques for assessing slagging and fouling potential of coal-ash
1181 5	Alternative energy technologies, a blueprint for progress
COMBUSTION POWER COMPANY, INC., MENLO PARK, CALIFORNIA	
0377 80	Granular-bed filter development program: Filter front-face cleaning experiments
0673 9	Fluidized-bed combustion of municipal solid waste in the CPU-400 pilot plant
0674 0	Energy conversion from coal utilizing CPU-400 Technology
0674 5	Energy conversion from coal utilizing CPU-400 Technology
0676 25	Energy conversion from coal utilizing CPU-400 Technology
0677 44	The solid-fuel gas-turbine for industrial energy production
0677 114	Corrosion of super-alloys, Inconels, and stainless-steels by the products from fluidized-bed coal combustion
0677 124	Energy conversion from coal utilizing CPU-400 technology volume 1
0677 141	Coal feeding and pneumatic transport
0677 168	Corrosion studies and high temperature filtration
0677 221	Energy conversion from coal utilizing CPU-400 technology, Final report, Volume 1
0677 226	Energy conversion from coal Utilizing CPU-400 Technology, Final report, Volume 2
0678 145	Granular bed filter development program. Cold-flow test program, Data Analysis and observations
0678 157	Granular-bed filter development program. Final report
COMBUSTION PROCESSES, INC., NEW YORK, NEW YORK	
0675 1	Fluidized-bed combustion and coal-fired-packaged-boilers
COMBUSTION SERVICE AND EQUIPMENT COMPANY, PITTSBURGH, PENNSYLVANIA	
0680 28	Combustion efficiency: simultaneous firing of coal with oil or gas in medium to heavy boilers
COMCO., PITTSBURGH, PENNSYLVANIA	
0680 174	Gas cycle fluid energy process for forming coal-in-oil mixtures
COMMERCIAL TESTING & ENGINEERING COMPANY, UNITED STATES	
0381 39	How well will your coal wash?
COMMISSARIAT A L'ENERGIE ATOMIQUE, GIF SUR YVETTE, FRANCE	
0179 244	Nuclear methane reforming for coal gasification

CORPORATE AUTHOR INDEX
COMMISSION OF THE EUROPEAN COMMUNITIES, JOINT RESEARCH CENTRE, VARESE, ITALY
0881 37 Coal transportation: an analysis of cost and energy requirements

COMMONWEALTH EDISON COMPANY, CHICAGO, ILLINOIS
0179 321 Gasification combined cycle test facility
0680 67 Combustion of western coal

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, VICTORIA, AUSTRALIA
0680 122 Oxidative rapid pyrolysis of coal in a dilute phase transport reactor

COMPAGNIE FRANCAIS DES PETROLES, TALENCE, FRANCE
0781 13 Example of the enrichment of coals in the process of coalification

COMPUTER HORIZONS INCORPORATED, WASHINGTON, DISTRICT OF COLUMBIA
0179 230 An information approach to examining developments in an energy technology: coal gasification

COMPUTER SCIENCES CORPORATION, EL SEGUNDO, CALIFORNIA
0180 290 Addition to the Lewis Chemical equilibrium program to allow computation from coal composition data
0181 221 The Lewis chemical equilibrium program with parametric study capability

CONCORDIA UNIVERSITY, MONTREAL, QUEBEC
0182 40 A Canadian program for in-situ coal conversion

CONOCO COAL DEVELOPMENT COMPANY, DENVER, COLORADO
0380 110 Froth flotation techniques reduce sulfur and ash

CONOCO COAL DEVELOPMENT COMPANY, LIBRARY, PENNSYLVANIA
0173 10 Operations: Carbon-dioxide-acceptor process gasification pilot-plant. Final report, Volume 6, Book 1 of 2, January 1972 - June 1973
0173 49 Operations: CO//2 acceptor process gasification pilot plant. Final report, Volume 6, Book 2 of 2, Appendices, January 1972 - June 1973
0173 50 Run reports: CO//2 acceptor process gasification pilot-plant, Final report, Jan. 1972 - July 1973
0174 21 Operations: Carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume 7, July 1973 - July 1974

0174 62 Run reports CO//2 acceptor process gasification pilot-plant, Final report, Aug. 1973 - April 1974
0175 78 Run reports: CO//2 acceptor process gasification pilot-plant - final report, Vol. 8, June 1974 - Aug. 1975
0177 47 Carbon-dioxide-acceptor process gasification pilot-plant, Commercial plant conceptual design and cost estimate, Final Report, Volume 10, Book 1 of 3, North-Dakota Lignite gasification economics and description, Aug. 1976 - Dec. 1977

0177 141 Carbon-dioxide-acceptor process gasification pilot-plant, commercial plant conceptual design and cost estimate, Final Report, Volume 10, Book 3 of 3, Texas lignite gasification, Aug. 1976 - Dec. 1977

0177 154 The manufacture of SNG from coal

0177 175 Run reports: Carbon-dioxide-acceptor process gasification pilot-plant, Final report, Volume 8, Book 5 of 6, Runs 37 - 42, May 1976 - February 1977

0177 215 Executive summary commercial plant conceptual design and cost estimate: Carbon-dioxide-acceptor process gasification pilot-plant, Final report, Volume 13, Aug. 1976 - Dec. 1977

0177 216 Plant operations final report: carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume 12, Book 1 of 4, Jan. 1972 - Oct. 1977

0177 234 CO//2 acceptor process gasification pilot-plant, commercial plant conceptual design and cost estimate, Final Report, Volume 10, Book 2 of 3, North-Dakota lignite gasification process design, Aug. 1976 - Dec. 1977
0177 264 Run reports: CO//2 acceptor process gasification pilot-plant, Final Report, Volume 8, Book 6 of 6, Runs 43 - 47, March - Oct. 1977

0178 331 CO//2 acceptor process gasification pilot-plant, environmental characterization, Final report, July 1976 - March 1978, Volume II

0178 332 Support studies by South-Dakota school of mines and technology: CO//2 acceptor process gasification pilot-plant, Final report, Volume 9, Feb. 1971 - Jan. 1978, Book 1 of 2

0179 2 Run reports: Carbon-dioxide acceptor process gasification pilot-plant, Final report, Volume 8, Book 4 of 6,

Runs 28 - 36

- 0179 23 Plant operations final report, CO/2 acceptor process gasification pilot-plant. Final report, Vol. 12, Book 3 of 4 for January 1972 - October 1977
- 0179 24 Plant operations final report: CO/2 acceptor process gasification pilot-plant. Final report for January 1972 - October 1977. Volume 12, Book 2
- 0179 37 CO/2 acceptor process gasification pilot-plant. Plant operations final report, January 1972 - October 1977, Book 4 of 4
- 0179 125 Support studies by South-Dakota School of Mines and Technology, Carbon-dioxide-acceptor process gasification pilot-plant, Final report, Feb. 1971 - Jan. 1978, Book 2 of 2 Appendices
- 0179 258 Application of Conoco's super-meth combined shift-methanation process to the BGC/Lurgi slagging gasifier
- 0276 66 Zinc-chloride coal liquefaction process
- 0277 28 Hydrocracking of coal extract from the CSF liquefaction process in a spinning-basket experimental reactor
- 0277 125 Zinc-halide hydrocracking process for distillate fuels from coal, Annual technical progress report for 1976, Including the quarter ending January 1977
- 0278 145 Zinc-halide hydrocracking process for distillate fuels from coal, Annual Technical Progress report, Feb. 1977 - Jan. 1978
- 0278 152 Design and construction of the PDU for zinc-halide hydrocracking of coal. Final Report for Task 4 and 5
- 0279 36 Zinc-halide hydrocracking process for distillate fuels from coal. Annual technical progress report for February 1978 - January 1979
- 0279 158 Regeneration of 'spent' $ZnCl_2$ production catalyst from hydrocracking subbituminous coal
- 0279 235 The zinc chloride process for the hydrocracking of coal
- 0280 3 Continuous hydroliquefaction of sub-bituminous coal in molten zinc-chloride
- 0280 49 Gasoline from coal via molten zinc chloride hydrocracking
- 0280 257 Development of a correlation between slurry oil composition and process performance. Topical Report 2. Analyses of slurry recycle oils from H-coal PDU run 8
- 0280 358 Zinc halide hydrocracking process for distillate fuels from coal - Final Report, Volume I - Summary and continuous bench studies, January 1975 - November 1979
- 0281 103 Composition and performance of distillate recycle solvents from the SRC-I process
- 0281 130 Hydrocracking of coal to light distillate with molten zinc chloride
- 0282 45 Solvent quality effects in SRC-I, H-Coal and Iummus two stage liquefaction
- 0578 65 Environmental characterization: Carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume II, July 1976 - March 1978, Book 2 of 3, Appendices A and B
- 0578 66 Environmental characterization: Carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume II, Book 3 of 3, Appendices C - G, July 1976 - March 1978
- 1178 39 Status of coal utilization technology
- CONOCO COAL DEVELOPMENT COMPANY, PITTSBURGH, PENNSYLVANIA
- 0280 223 Development of a correlation between slurry oil composition and process performance. Topical report 1: analysis of slurry recycle oils from H-coal PDU run 5
- CONOCO COAL DEVELOPMENT COMPANY, PONCA CITY, OKLAHOMA
- 0380 66 Composition for treating particulate hydrocarbon fuel, and fuel treated therewith
- 0781 8 Experimental uses of short pulse radar in coal seams
- 1080 79 Determination of chromate ion in drilling mud filtrates
- CONOCO COAL DEVELOPMENT COMPANY, STAMFORD, CONNECTICUT
- 0176 75 The status and need for new coal gasification technology
- CONOCO INC., MORGANTOWN, WEST VIRGINIA
- 0482 61 Horizontal drilling - a tool for improved productivity
- CONOCO INC., PITTSBURGH, PENNSYLVANIA
- 0181 64 Gasification of coal liquefaction residues

CORPORATE AUTHOR INDEX

- CONOCO INC., STAMFORD, CONNECTICUT
 0181 65 Method for hydrocracking a heavy polynuclear hydrocarbonaceous feedstock in the presence of molten metal halide catalyst
 0882 27 Removal of fines from recirculation water in a coal slurry system
 1081 40 Method for the regeneration of spent molten zinc chloride
- CONSOLIDATED CONTROLS CORPORATION, EL SEGUNDO, CALIFORNIA
 0176 40 Coal gasification valves, Phase I, Thermal analysis report
 0177 250 Coal gasification valves, Phase 1, Annual report, May 1976 - May 1977
 0177 291 Coal gasification valves, Phase 1, Thermal Analysis Report
 0179 273 Ceramic spring for high-temperature valves
- CONSOLIDATED EDISON COMPANY OF NEW YORK INC., NEW YORK, NEW YORK
 0581 97 Converting to coal: the problem of ash disposal an urban environment (the ocean disposal option)
- CONSOLIDATION COAL COMPANY, ENGLEWOOD, COLORADO
 0479 262 Design of coal slurry impoundments and the impact of MESA legislation
- CONSOLIDATION COAL COMPANY, LIBRARY, PENNSYLVANIA
 0168 1 Phase II, Bench-scale research on CSG process. Operation of the Bench-scale continuous gasification unit
 0171 6 Development of the carbon-dioxide-acceptor process directed towards low-sulfur boiler-fuel
 0173 5 Production of clean fuel-gas from bituminous coal
 0176 20 Preliminary economic analysis of carbon-dioxide-acceptor process producing 250-million standard cubic feet per day of high-Btu-gas from two fuels: sub-bituminous coal and lignite
 0267 1 Mechanism of the hydrogen-transfer process to coal and coal extract
 0480 37 Hydraulic transportation of coarse coal the Loveridge mine
 0480 62 Horizontal drilling technology for advance degasification
 0673 16 The carbon-dioxide-acceptor gasification process - A status report - Application to bituminous coal
 0673 17 Low sulfur producer-gas via an improved fluid-bed gasification process
- CONSOLIDATION COAL COMPANY, PITTSBURGH, PENNSYLVANIA
 0681 71 Oil agglomeration process
- CONSTRUCTION ENGINEERING RESEARCH LABORATORY, DEPARTMENT OF THE ARMY, CHAMPAIGN, ILLINOIS
 0577 58 Evaluation of the particle-precipitating heat-transfer surface for high-temperature dust control, Final Report, July - May 1976
- CONSULTING ENGINEERS, BEAVER, PENNSYLVANIA
 0581 6 Coal waste artificial reef program, phase 3, Volume 3: engineering-economic evaluation of fixed coal waste block production and disposal
- CONSULTING ENGINEERS, MONROEVILLE, PENNSYLVANIA
 0880 42 Freezing problems during rail transport
- CONSUMERS POWER COMPANY
 0381 120 Removal of organic sulfur from coal
- CONTINENTAL EMSCO COMPANY, HOUSTON, TEXAS
 0882 49 Plunger flush system
- CONTINENTAL OIL COMPANY, MORGANTOWN, WEST VIRGINIA
 0480 62 Horizontal drilling technology for advance degasification
- CONTINENTAL OIL COMPANY, STAMFORD, CONNECTICUT
 0177 258 Phase I: The pipeline gas demonstration plant design and evaluation of commercial plant, Volume 3, Part One: Economic analysis, Part Two: Technical assessment
 0178 181 Phase 1: The pipeline gas demonstration plant, Transportation report

CORPORATE AUTHOR INDEX

- 0178 286 Phase 1: The pipeline gas demonstration plant. Technical support program report
 - 0178 302 Phase 1: The pipeline gas demonstration plant, Annual technical progress report, July 1977 - June 1978
 - 0179 1 Phase 1: The pipeline gas demonstration plant design and evaluation of commercial plant, Volume 2. Process and project engineering design
 - 0179 4 Phase 1: The pipeline-gas demonstration plant, Design and evaluation of commercial plant, Volume 1, Executive Summary
 - 0179 6 Phase 1: The pipeline gas demonstration plant, Site selection report
 - 0179 7 Phase 1: The pipeline-gas demonstration plant, Market study for sale of the coal fines by-product from a coal gasification plant
 - 0179 10 Phase 1: The pipeline-gas demonstration plant, Water Resources Report
 - 0179 31 Phase 1: The pipeline-gas demonstration plant, Coal fines briquetting study
 - 0179 76 Phase 1: The pipeline gas demonstration plant, Climatological and meteorological data report
 - 0180 208 Process for gasification using a synthetic CO//2 acceptor
 - 0280 164 Process for making metallurgical coke
 - 0380 86 Method and apparatus for producing hardened carbonaceous agglomerates
 - 0579 0 Phase 1: The pipeline-gas demonstration plant design and evaluation of commercial plant, Volume 4. Environmental Assessment and Site Requirements
 - 0680 104 Method for regenerating calcium sulfox compounds produced in the combustion of carbonaceous fuels in fluidized beds
 - 0680 172 Process for agglomerating finely divided carbonaceous solids
 - 1081 85 Process for making metallurgical coke using fluidizer char
- CONTINENTAL RESOURCES COMPANY, WINTER PARK, FLORIDA
- 0881 21 Slurry transportation overview
 - 0882 31 Slurry transportation overview
- CONTROL DATA CANADA LTD., VANCOUVER, BRITISH COLUMBIA
- 0781 27 Coal deposit modelling using computers
- COPELAND SYSTEMS, INC.
- 0673 8 Disposal of solid wastes by fluidized-bed combustion
- COPPE/UFRJ, CENTRO DE TECNOLOGIA, RIO DE JANEIRO, BRAZIL
- 0182 33 Kinetics of coal gasification
- CORNELL UNIVERSITY, ITHACA, NEW YORK
- 0171 5 Coal gasification : A review
- CORNING GLASS WORKS, CORNING, NEW YORK
- 0580 8 Environmental assessment of the SRC liquefaction process
- CORPORATE RESEARCH CENTER, DES PLAINES, ILLINOIS
- 0279 32 Upgrading of coal liquids: Annual report, January 1978 - January 1979
- CORVALLIS ENVIRONMENTAL RESEARCH LABORATORY, CORVALLIS, OREGON
- 0579 55 Environmental effects of increased coal utilization: ecological effects of gaseous emissions from coal combustion
- COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, PRETORIA, SOUTH AFRICA
- 0279 214 Hydrodenitrogenation of coal liquids and petroleum with heterogeneous catalysts in multiphase reactors. Review and recommendations for further work
- CRC AUTOMATIC WELDING, HOUSTON, TEXAS
- 0882 20 The CRC automatic pipeline welding system

- CREIGHTON UNIVERSITY, OMAHA, NEBRASKA
0876 2 Over one billion tons of coal in 1985: Can the railroad industry handle it?
- CRILL REYNOLDS COMPANY, INC., WESTFIELD, NEW JERSEY
0280 63 Steam jet ejectors play pivotal role in coal liquefaction pilot program
- CROUSE HINDS CO., SYRACUSE, NEW YORK
0582 14 Electrical equipment used in hazardous locations
- CROWS NEST RESOURCES LIMITED, CALGARY, ALBERTA
1182 2 Western Canadian export thermal coal demand: balanced growth
- CROWS NEST RESOURCES LIMITED, FERNIE, BRITISH COLUMBIA
0382 2 From metallurgical coal tailings to thermal fuel
- CSIRO, DIVISION OF APPLIED ORGANIC CHEMISTRY, MELBOURNE, AUSTRALIA
0275 26 Coal hydrogenation using throw-away catalysts
0280 16 Continuous hydrogenation of Yallourn brown-coal tar
0281 232 Deactivation of catalytic surfaces and coal liquefaction processes
- CSIRO, DIVISION OF FOSSIL FUELS, NORTH RYDE, AUSTRALIA
0281 80 Hydrogenation of Tasmanian alginite in the presence of tin(II) chloride and zinc chloride
0281 81 Hydrogenation of Tasmanian alginite - analysis of hexane-soluble products by thermal distillation-gas chromatography-mass spectrometry
0281 87 Aromatic and aliphatic composition of the solid and liquid products from hydrogenation of Liddell coal
0281 227 Deuterium as a tracer in coal liquefaction
0282 0 Coal liquefaction with metal halide catalysts at short residence times
0282 12 Coal liquefaction model: microscopic examination of solids from metal halide catalysed coal hydrogenation experiments
0282 30 Surface changes in coal hydrogenation autoclaves that affect autoclave reactions
0282 32 Effect of temperature, catalyst and charge gas on the mean chemical structures of the products from hydrogenation of Liddell coal
0282 136 Hydrogenation of Liddell vitrinite: effects of metal halide catalysts in the temperature range 200-480-deg-C
0282 163 Changes in aromaticity during coal liquefaction
0682 39 Coal devolatilization in fluidized-bed combustors
0782 3 Tectonic history from vitrinite reflectance
0782 7 Organic petrology and source rock potential of sediments in the Eromanga basin, South Australia
1081 42 Changes in vitroplast derived from a high-volatile bituminous coal during tetralin treatment
1082 7 Mesophase formation and the degree of hydrogenation of coal
1082 10 Behaviour of huminite macerals from Victorian brown coal in tetralin in autoclaves at temperatures of 300-380-deg-C
- CSIRO, DIVISION OF MATHEMATICS AND STATISTICS, LINDFIELD, AUSTRALIA
0782 7 Organic petrology and source rock potential of sediments in the Eromanga basin, South Australia
- CSIRO, DIVISION OF MINERAL CHEMISTRY, NORTH RYDE, AUSTRALIA
0270 6 Fluidizing feeders for providing fine particles at low, stable flows
0674 9 The reactivity of a porous brown coal char to oxygen between 630 and 1812-deg-K
- CSIRO, DIVISION OF MINERAL ENGINEERING, VICTORIA, AUSTRALIA
0181 31 Flash pyrolysis of Australian coals: effects of pre-oxidation and of oxygen in the inlet gases on formation of agglomerated material
0181 77 Changes in oxyreactivity of carbons due to heat treatment and prehydrogenation
0680 182 Calcination of bauxite pisolites and phosphate rock using a coal-fired fluidized bed
0682 3 Some effects of overheating and carbon burn-off on the performance of fluidized-bed combustors
1080 38 Effects of pre-extracting a Liddell coal on its agglomeration properties during flash pyrolysis
1080 84 Design and characterization of an apparatus for agglomeration testing during flash pyrolysis in entrained flow

reactors

- CSIRO, DIVISION OF MINERAL PHYSICS, MELBOURNE, AUSTRALIA
1080 51 Determination of aluminum in bulk coal samples by neutron activation analysis
- CSIRO, DIVISION OF MINERAL PHYSICS, NORTH RYDE, AUSTRALIA
0481 64 Outbursts and geological structures in coal mines: a review
- CSIRO, DIVISION OF PROCESS TECHNOLOGY, NORTH RYDE, AUSTRALIA
0180 21 Factors affecting the volatile-matter yield from chars
0180 133 Flash pyrolysis of coals: comparison of results from 1 g/h and 20 kg/h reactors
0279 84 New experimental device for pyrolysis of coal particles under controlled conditions over a wide range of heating rates
- 0280 36 Catalytic hydrogenation of Liddel bituminous coal: Effects of process variables on coal dissolution in batch autoclaves
- 0280 225 Flash pyrolysis of coals: behaviour of three coals in a 20 kg/hr fluidized-bed pyrolyser
0280 227 H.n.m.r. study of tars from flash pyrolysis of three Australian coals
0280 242 Influence of pyrolysis temperature on the aromatic fraction of flash pyrolysis tars
0280 248 The nature of tars produced by the flash pyrolysis of coals
0280 253 Conversion of coal to liquid products by flash pyrolysis
0678 228 The combustion of carbon
0679 60 Role of fuel reactivity in fluidized-bed combustion
0679 68 Design your coal conveyor for long life and minimum maintenance
0679 83 Fluidised combustion of coal washery waste
0679 147 Fluidized bed combustion. A state of the art review
0679 148 Fluidized bed combustion as a solution to the washery wastes disposal problem
0680 14 Flash in pyrolysis of coals. Devolatilization of bituminous coals in a small fluidized-bed reactor
0680 31 Pyrolysis of brown coals. 3. Effect of cation content on the gaseous products containing oxygen from Vallourn coal
- 0680 32 Pyrolysis of brown-coals. 4. Relation between acidic groups and evolved carbon-oxides.
0680 35 Flash pyrolysis of coals: Influence of cations on the devolatilization behavior of brown-coals
0781 26 The effect of maturation on the isotopic composition of fossil fuels
1079 36 Rate of oxidation of char and coal in relation to their tendency to self-heat
1079 57 Determination of carbon and hydrogen in liquid fuels
1080 46 Proton NMR study of tars from flash pyrolysis of three Australian coals
- CSIRO, DIVISION OF TEXTILE PHYSICS, NORTH RYDE, AUSTRALIA
0879 6 Model for the self-heating reaction of coal and char
1079 29 Plasticity of coal studied with nuclear-magnetic-resonance
1079 36 Rate of oxidation of char and coal in relation to their tendency to self-heat
- CSIRO, FUEL GEOSCIENCE UNIT, NORTH RYDE, AUSTRALIA
0279 84 New experimental device for pyrolysis of coal particles under controlled conditions over a wide range of heating rates
- 0279 151 Hydrogenation reactivity of petrographic composition of coal
0279 163 Structural analysis of coals and coal derivatives using reference polymers and the C-H-O ternary diagram
0280 4 Some aspects of the behaviour of tin chloride during coal hydrogenation in the absence of a solvent
0281 23 Behavior of vitrinite macerals in some organic solvents in the autoclave
0480 55 An isotopic study of the role of carbon dioxide in outbursts in coal mines
0680 33 Atomic hydrogen/carbon ratios and the generation of oil from coals and kerogens
1078 188 Application of a single-cell high-pressure DTA technique to coal hydrogenation research
1080 218 Nickel in coal and fly ash
- CSIRO, INSTITUTE OF EARTH RESOURCES, NORTH RYDE, AUSTRALIA
0280 58 Optical microscope observations of electrokinetic separation in solvent-refined coal
0281 1 Comments on cross-flow electrofilter for nonaqueous slurries
0381 21 Sedimentation of electro-osmotic dewatering of coal-washery slimes

CORPORATE AUTHOR INDEX

0680 18	The development of flash pyrolysis in Australia
1082 9	Effect of thermal treatment on the interaction of brown coal and water: a nuclear magnetic resonance study
CSIRO, INSTITUTE OF ENERGY AND EARTH RESOURCES, NORTH RYDE, AUSTRALIA	
0382 27	Electro-osmotic dewatering of coal froth flotation concentrates
CSIRO, MINERALS RESEARCH LABORATORIES, NORTH RYDE, AUSTRALIA	
0677 85	Microscopic investigation of the behaviour of inorganic material in coal during combustion
0677 109	Corrosion of an electrostatic precipitator in a municipal incinerator in Sydney, Australia, and some associated research work
0680 130	The electrification of operating powder chemical fire extinguishers
0779 9	Forewarning of faults and outbursts of coal and gas at Westcliff Colliery
CSIRO, PHYSICAL TECHNOLOGY UNIT, NORTH RYDE, AUSTRALIA	
1081 37	H nuclear spin-lattice relaxation in coal during heating
CUKUROVA UNIVERSITY, ADANA, TURKEY	
1079 63	Pyridine extracts of solid fuels
CURTISS WRIGHT CORPORATION, WOOD RIDGE, NEW JERSEY	
0177 227	High temperature turbine technology program. Phase I. Topical report. Low-Btu fuel combined-cycle reference design 750 KW electric power-plant with integrated low-Btu fuel gas plant.
0177 235	High temperature turbine technology program: Phase 1. Final report. Combined-cycle electric-power-plant with coal-derived low-Btu-gas or coal-liquid fuel. Book 1
0177 236	High temperature turbine technology program. Phase 1. Topical report: Overall plant design description
0177 276	Combined-cycle electric-power plant with integrated low-Btu fuel-gas plant
0177 278	High-temperature turbine technology program. Phase 1. Topical Report. Technology Development Plan for Phase 11
	High-temperature turbine technology program. Phase 1. Topical Report. Reference turbine subsystem design (Primary and Back-up concepts)
0280 25	High-temperature turbine for operation on coal-derived fuel
0677 47	Pressurized fluidized-bed pilot plant for production of electric-power using high sulfur coal
0677 117	Materials tests for an indirect air cooled PFBC combined-cycle power-plant
0677 135	Engineer, design, construct, test and evaluate a pressurized fluidized-bed pilot-plant using high sulfur coal for production of electric power. Phase II pilot-plant design. Pilot-plant configuration report
0677 188	Pressurized fluidized-bed pilot electric plant
0677 224	Engineer, design, construct, test and evaluate a pressurized fluidized-bed pilot-plant using high-sulfur coal for production of electric-power. Phase 1: Preliminary engineering, Commercial-plant conceptual design
0677 229	Engineer, design, construct, test and evaluate a pressurized fluidized-bed pilot-plant using high sulfur coal for production of electric-power. Phase 1: Preliminary engineering. Annual report for March 1976 - February 1977
0677 232	Engineer, design, construct, test and evaluate a pressurized fluidized-bed pilot-plant using high-sulfur-coal for production of electric-power. Phase 1. Preliminary engineering. PFB Combustor/Heat-exchanger rig test at Leatherhead
0677 235	High temperature turbine technology program. Phase 1. Topical report. Low-Btu combustor technology development program
0677 236	High temperature turbine technology program. Phase 1. Topical report. Phase III. Preliminary turbine sub-system technology readiness verification program plan
0677 242	High temperature turbine technology program. Phase 1. Topical report. Coal-liquid combined-cycle reference design 665-MW commercial power-plant with coal-liquid source
0677 247	High temperature turbine technology program. Phase 1. Topical report. Low BTU combustor preliminary designs
0678 203	Engineer, design, construct, test and evaluate a pressurized fluidized-bed pilot-plant using high sulfur coal for production of electric-power. Phase 1. Preliminary engineering. Technology support test report. Commercial fluidized long term erosion/corrosion test in a limestone kiln
0678 264	Engineer, design, construct, test and evaluate a pressurized fluidized bed pilot plant using high sulfur coal for production of electric power. Phase I - Preliminary Engineering. Technology support test report commercial fluidized long term erosion/corrosion testing in a limestone kiln
0679 26	Engineer, design, construct, test and evaluate a pressurized fluidized-bed pilot-plant using high sulfur coal

CORPORATE AUTHOR INDEX

0679 98 for production of electric-power. Phase 1: Preliminary engineering. Task 4: Environmental Assessment
 0680 150 Economic feasibility of pressurized fluidized-bed combustor power-plant
 0681 176 Design, construction, operation and evaluation of a prototype culm combustion boiler/heater unit
 Fluidized bed reactor

CZECHOSLOVAK ACADEMY OF SCIENCES, BRNO, CZECHOSLOVAKIA

1080 113 Analysis of coal asphaltenes by carbon-13 Fournier transform nuclear magnetic resonance spectrometry

CZECHOSLOVAK ACADEMY OF SCIENCES, PRAGUE, CZECHOSLOVAKIA

0281 310 Modelling of the catalytic Fischer-Tropsch synthesis by pattern recognition, chemisorption and dissociation of carbon monoxide on metals
 0681 3 Influence of temperature on incipient fluidization of limestone, lime, coal ash, and corundum
 0781 14 Coal as a dissipative structure

D. I. MENDELEEV MOSCOW INSTITUTE OF CHEMICAL TECHNOLOGY, MOSCOW, USSR

1079 151 Electrochemical aspects of the interaction of coal with carbonaceous rocks in the auto-oxidation processes
 1079 204 Forms of nitrogen in hard coals and their transformation in the coking process

D'APPOLONIA CONSULTING ENGINEERS, INC., PITTSBURGH, PENNSYLVANIA

0477 181 Mine entry system longwall top slicing thick coal seams. Final report Volume II
 0477 182 Mine entry system longwall top slicing thick coal seams. Final report Volume I
 0478 245 Engineering and economic evaluation of explosive casting of overburden. Detailed report. Contractor -
 D'Appolonia Consulting Engineers, Inc.
 0481 51 Profit planning begins with mapping
 0579 76 Design of compliant refuse disposal systems
 0579 98 Implementing approximate original contour

DAI ICH KOGYO SEIYAKU COMPANY LIMITED, KYOTO, JAPAN

0380 93 Stabilized fuel slurry

DAIKYO OIL COMPANY LTD., INABACHO, JAPAN

0280 228 Effects of phenol on the properties of pitch produced thermally from the petroleum vacuum residue

DAIMLER BENZ, STUTTGART, GERMANY

0280 50 Thoughts on an ideal diesel fuel from coal

DALHOUSIE UNIVERSITY, HALIFAX, NOVA SCOTIA

0681 197 Trace elements and organics associated with coal combustion in power plants: emissions and environmental impacts
 1080 65 A critical evaluation of short-lived and long-lived neutron activation products for trace-element determinations
 1081 222 Adsorption - a tool for characterizing coal oxidation

DALTON DALTON LITTLE NEWPORT, CLEVELAND, OHIO

0577 56 Task summary report V: The design and implementation of an environmental monitoring program for ERDA fossil-fuel facilities
 0578 70 A test for the draft guidelines for multimedia environmental monitoring of Department of Energy Fossil Energy RD & D Facilities
 0578 71 Guidelines for multimedia environmental monitoring of Department of Energy Fossil-Energy RD & D Facilities. Volume I
 0578 72 Guidelines for multimedia environmental monitoring of Department of Energy Fossil-Energy RD & D Facilities. Volume II

DAMES & MOORE, PARK RIDGE, ILLINOIS

0580 111 A study of the properties of mine waste in the midwestern coal fields

- DAMES & MOORE, TORONTO, CANADA
0477 85 The Current status of the Canadian coal industry
- DAMIN MINERALIEN GESELLSCHAFT MIT BESCHRAANKTER HAFTUNG, BOCHUM, GERMANY
0379 121 Process for dressing coal or similar minerals
- DATA RESOURCES INC., LEXINGTON, MASSACHUSETTS
1179 62 A quantitative analysis of the impact of government regulations on the coal industry
- DAVID E. PEARSON & ASSOCIATES LTD., VICTORIA, BRITISH COLUMBIA
1181 37 Trends in utilization of British Columbia coal
- DAVY MCKEE CORPORATION, CLEVELAND, OHIO
0180 71 Methanol from coal: An adaption from the past
- DAVY MCKEE CORPORATION, LAKELAND, FLORIDA
0682 37 The Wellman-Lord SO₂/2 recovery process
- DAVY POWERGAS, INC., LAKELAND, FLORIDA
0176 15 Winkler technology for clean-fuels from coal
0179 161 Natural-Gas still leading Syn gas source
- DEARBORN CHEMICAL (US), CHEMED CORPORATION, DEARBORN, MICHIGAN
0677 250 Additives for coal
- DECHEMA INSTITUT, FRANKFURT/MAIN, GERMANY
0677 91 The influence of electrode potential on corrosion and creep behaviour of heat resistant alloy in alkali sulfate melts
- DEISTER CONCENTRATOR COMPANY INC., FORT WAYNE, INDIANA
0380 45 Concentrating tables for fine-coal cleaning
- DELCO REMY DIVISION OF GENERAL MOTORS CORPORATION, ANDERSON, INDIANA
0678 224 Instrumentation for oxygen/opacity coal combustion control
- DELFT UNIVERSITY OF TECHNOLOGY, DELFT, NETHERLANDS
0179 194 Lubac gasification process may hike in-situ output
1061 1 Coal: typology, chemistry, physics, constitution
1080 54 The linear properties of thin layers, with an application to synthetic seismograms over coal seams
1082 15 Proton dynamic polarization and proton-carbon cross-polarization in coal
1082 69 Development of coal research - a review
- DENISON MINE LIMITED, EDMONTON, ALBERTA
0482 102 Northeast B.C. coal
- DENVER MINING RESEARCH CENTER, DENVER, COLORADO
0776 3 High-resolution seismic-reflection techniques for mapping coal-seams from the surface
- DENVER TECHNICAL SUPPORT CENTER, DENVER, COLORADO
0779 12 Imagery analysis: Predicting hazards
- DEPARTMENT OF ENERGY, GERMANTOWN, MARYLAND
0580 161 Simplified correlations for the prediction of NO_x emissions from MHD power plants
0681 94 Advanced power plant siting in Ohio

CORPORATE AUTHOR INDEX

- DEPARTMENT OF ENERGY, MINES AND RESOURCES, CALGARY, ALBERTA
 - 0579 32 Environmental monitoring for safety in underground coal mining
- DEPARTMENT OF ENERGY, MINES AND RESOURCES, OTTAWA, ONTARIO
 - 1178 40 Comecon's mineral development potential and its implications for Canada
- DEPARTMENT OF NATIONAL DEVELOPMENT AND ENERGY, CANBERRA, AUSTRALIA
 - 1181 45 Australia's energy policy
- DEPARTMENT OF NATURAL RESOURCES, FREDERICTON, NEW BRUNSWICK
 - 0981 3 Carboniferous drilling project
- DEPARTMENT OF SCIENTIFIC & INDUSTRIAL RESEARCH, PETONE, NEW ZEALAND
 - 1078 132 Gaseous exothermic oxidation of coal. 2. Aerial oxidation of fresh coal
- DESFORD COLLIERY
 - 0479 138 Desford No.-2 shaft TDM signals
- DETROIT EDISON COMPANY, DETROIT, MICHIGAN
 - 0680 227 How Detroit Edison solved wet and frozen coal-flow problems at its Monroe power plant
 - 0881 2 How to model your coal-handling system to optimize availability, cut costly time
- DEVELOPMENT CONSULTANTS LTD., CALCUTTA, INDIA
 - 0677 132 New technique for utilization of high ash and high sulfur coals
- DEVELOPMENT SCIENCES INC., EAST SANDWICH, MASSACHUSETTS
 - 1177 46 Using net energy methodology for energy planning tradeoffs of supply vs. end-use technologies, Volume 1 and 2, final report
- DEWEY, BALLANTINE, BUSHBY, PALMER & WOOD, WASHINGTON, DISTRICT OF COLUMBIA
 - 1181 23 The synthetic fuels industry in the United States--problems and prospects
- DEZERNET ABBAUTECHNIK, STBV, ESSEN
 - 0878 25 Coal cutting with very high pressure water-jets
- DIONEX CORPORATION, SUNNYVALE, CALIFORNIA
 - 1082 39 Ion chromatographs and columns give better separations
- DIVISION OF ENVIRONMENTAL AND SOCIOECONOMIC PROGRAMS, WASHINGTON, DISTRICT OF COLUMBIA
 - 0678 199 Environmental Development plan underground coal conversion program
- DIVISION OF MINING INFORMATION SYSTEMS, HEALTH AND SAFETY ANALYSIS CENTER, DENVER, COLORADO
 - 0472 1 Injury experience in coal mining, 1972
 - 0474 4 Injury experience in coal mining, 1974
- DM INTERNATIONAL INC., HOUSTON, TEXAS
 - 0182 18 Economic evaluation of synfuels plants
- DNEPROPETROVSK METALLURGICAL INSTITUTE, USSR
 - 1078 145 Influence of heating on the physicochemical properties of coal-graphite materials
- DOMINION POST, MORGANTOWN, WEST VIRGINIA
 - 0480 107 Degasification takes a profitable direction

- DOMTAR INCORPORATED, MISSISSAUGA, ONTARIO
0381 116 Reduction of ash content of electrode binder pitches by dewatering
- DONBASS SCIENTIFIC RESEARCH LABORATORY, USSR
0778 31 Character and magnitude of the variation in thickness of coal beds
1078 140 Influence of the geochemical environment on the quality of coals
- DONCASTER METROPOLITAN INSTITUTION OF HIGHER EDUCATION, DONCASTER, UNITED KINGDOM
0479 166 Retreat-mining in zones of heavy pillar interaction
0479 167 Coal pillars
0779 19 Geological problems associated with the Barnsley seam in the Doncaster area
- DONETS STATE UNIVERSITY, DONETS, USSR
1079 152 Adsorption of electrolytes from aqueous solutions by coals
- DONETSKUGLEBOGASHCHENIE PRODUCTION ASSOCIATION, USSR
1078 152 Study of the structure-formation mechanism during briquetting
- DORR OLIVER INC., STAMFORD, CONNECTICUT
0369 0 Operation Red Dog: A study of fluid-bed combustion and potential uses of anthracite culm-bank material
0680 150 Design, construction, operation and evaluation of a prototype culm combustion boiler/heater unit
- DOW CHEMICAL COMPANY, GREENSBURG, PENNSYLVANIA
0379 101 Oxidized coal - what it is and how it affects your preparation plant performance
- DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN
0276 10 Chemicals from coal, Quarterly Technical Report, April - June 1976
0277 95 Chemicals from coal, Final report based on HRI H-Coal product
0279 56 Dow coal liquefaction process
0281 17 Use Syngas for olefin feedstock
0282 40 Upgrade F-T liquids to olefins and aromatics
0381 20 Conditioner for flotation of oxidized coal
0381 86 Conditioner for flotation of oxidized coal
0382 7 Improvement in coal preparation - water clarification through polymer flocculation
0580 95 The formation of chlorodibenzo-p-dioxins by air oxidation and chlorination of bituminous coal
0879 17 Clearing the way to faster haulage
- DOW CHEMICAL COMPANY, PLAQUEMINES, LOUISIANA
0181 209 Pyrolysis and physical properties of coal blocks
- DOW CHEMICAL COMPANY, TULSA, OKLAHOMA
0380 29 New method of oxidized coal flotation
0382 7 Improvement in coal preparation - water clarification through polymer flocculation
0382 9 Four methods to raise plant output
0879 5 Freeze conditioning frozen coal to ease handling and unloading problems
- DRAVO CORPORATION, DENVER, COLORADO
0480 197 Long-term response of a coal mine roof to time lapse between exposure and support
- DRAVO CORPORATION, PITTSBURGH, PENNSYLVANIA
0174 17 Lurgi gasification process : Prospects for commercialization
0176 21 Handbook of gasifiers and gas-treatment systems
0176 113 Industrial fuel gas distribution costs study
0178 152 Recent developments on the small gasifier
0178 229 Hydrogasification gas processing studies
0179 219 Gasification of coal and wood
0179 329 New look at the small gasifier

CORPORATE AUTHOR INDEX

0181	72	Coal handling technology for the synthetic fuels industry
0181	249	Start-up, operation and shutdown of a Wellman-Galusha gasifier
0276	75	Conceptual commercial design and commercial feasibility evaluation for clean boiler fuel facility. Volume III. Commercial feasibility. Final report
0376	16	Conceptual commercial design and commercial feasibility evaluation for clean boiler fuel facility. Volume II. Selections and Evaluations. Final Report
0379	47	Optimizing storage capacities within a coal preparation facility by a computer simulation
0380	90	Heavy medium cleaning of -28 mesh coal
0380	109	Fine coal cleaning in the 28 x 0 fraction - a technical overview
0380	165	Method for agglomerating finely divided agglomerative materials in a rotary drum assembly
0479	5	Final report development of lining and service line extension systems compatible with BSB excavation rates
0676	35	Conceptual commercial design and commercial feasibility evaluation for clean boiler fuel facility. Final report (Vol. 1-3)
DRAVO ENGINEERS AND CONSTRUCTORS, CLEVELAND, OHIO		
0381	0	Development of the clean pellet fuel process - A progress report
DRAVO LIME COMPANY, PITTSBURGH, PENNSYLVANIA		
0377	34	Calcilox additive stabilization of fine coal refuse - A cost approach
DRESSER INDUSTRIES, INC., COLUMBUS, OHIO		
0479	201	Putting the 'remote' in remote control
0879	31	Underground trials of a diesel-powered face haulage
DREW CHEMICAL CORPORATION, BONTON, NEW JERSEY		
0678	260	Criteria for selection of coal additives
0680	119	Improved coal combustion through chemical treatment
DREXEL UNIVERSITY, PHILADELPHIA, PENNSYLVANIA		
0182	42	A simple capacitance sensor for void fraction measurement in two-phase flow
DSIR, INDUSTRIAL PROCESSING DIVISION, PETONE, NEW ZEALAND		
0280	233	The effect of coal structure on the dissolution of brown coal in tetralin
0680	25	Rapid and simple determination by combustion of total sulphur in coal
1079	195	Deduction of the structure of brown coal by reaction with phenol
DUCON FLUID TRANSPORT DIVISION, UNITED STATES FILTER CORPORATION, KING OF PRUSSIA, PENNSYLVANIA		
0677	63	Some developments in the feeding of coal to fluidized-bed combustors
DUNLOP SOUTH AFRICA LIMITED, DURBAN, SOUTH AFRICA		
1080	142	Fusible surface cladding material
DUQUESNE UNIVERSITY, PITTSBURGH, PENNSYLVANIA		
0278	208	Hydrogen bonding in asphaltenes and coal. Quarterly report, July 1 - September 30, 1978
0279	99	Viscosity, calorimetric, and proton-magnetic-resonance studies on coal liquid fractions in solution.
0279	198	Characterization of upgraded coal liquids
0281	112	Analysis of upgraded solvent-refined coal (SRC) liquid products
0281	113	Ageing of SRC liquids
0281	275	600-MHz proton magnetic resonance study of coal-derived liquids
0282	135	Determination of phenols in a coal liquefaction product by gas chromatography and combined gas chromatography/mass spectrometry
1079	37	Molecular interaction of quinoline with coal-liquid fractions
1079	123	Influence of hydrogen bonding on the viscosity of coal liquids

DYNALECTRON CORPORATION, BETHESDA, MARYLAND

- 0179 352 Applicability of hot gas cleanup processes to coal gasification systems
 0579 79 Control technologies for particulate and tar emissions from coal converters

DYNATECH R/D COMPANY, CAMBRIDGE, MASSACHUSETTS

- 0177 95 Investigation of converting the products of coal gasification to methane by the action of microorganisms.
 Phase I. Final report, Nov. 1975 - Dec. 1976, Dynatech Report No. 1567
 0278 98 Engineering analysis of in-situ liquefaction of coal
 1081 153 Thermophysical properties of Pittsburgh seam coal

DYNAWEST PROJECTS LTD., CALGARY, ALBERTA

- 0282 66 A study to evaluate and compare the production cost of liquid fuels from coal and from oil sands in Alberta
 0581 24 Disposal of boiler ash

E. C. JORDAN COMPANY, PORTLAND, MAINE

- 0577 89 Trace elements in the terrestrial environment of a coal-fired powerhouse

E. I. DU PONT DE NEMOURS & COMPANY, INC., AIKEN, SOUTH CAROLINA

- 0577 89 Trace elements in the terrestrial environment of a coal-fired powerhouse
 0179 100 Development of a three-dimensional simulator for cavity growth during underground coal gasification

E. I. DU PONT DE NEMOURS & COMPANY, INC., WILMINGTON, DELAWARE

- 0179 92 Low and medium-BTU gasification - A chemical industry perspective
 0180 15 Coal utilization in the chemical industry
 0278 173 Liquid phase prilling of solvent-refined-coal
 0481 59 Blasting techniques and modern explosives allow more efficient coal mining
 1176 0 Economic feasibility study, fuel grade methanol from coal for office of commercialization of the Energy Research and Development Administration
 1180 26 Present and future coal utilization at Du Pont

EAST TENNESSEE STATE UNIVERSITY, JOHNSON CITY, TENNESSEE

- 0580 197 Study of the treatability of wastewater from a coal gasification plant - Supplementary Report, July 15, 1980 - December 31, 1980

EASTERN SCIENTIFIC RESEARCH INSTITUTE OF COAL CHEMISTRY, VUKHIN, USSR

- 0679 134 On the thermal stability of primary tar

EASTMAN WHIPSTOCK INC., HOUSTON, TEXAS

- 0480 127 Multi-leg hole successfully drilled for degasification

EBASCO SERVICES INC., ATLANTA, GEORGIA

- 0381 61 Evaluating flotation washability data

EBASCO SERVICES INC., NEW YORK, NEW YORK

- 0179 228 Trigenation: a new approach to coal-based cogeneration
 0779 41 Structural characteristics of vitrinites
 0880 8 Moving coal in the cold
 1080 196 The nature and composition of coal humic acids
 1180 3 Coal as an energy source: its impact on engineering planning

EBASCO SERVICES INC., WASHINGTON, DISTRICT OF COLUMBIA

- 0682 57 Coal-fired reference plants: project benefits

- ECO, INC., CAMBRIDGE, MASSACHUSETTS
0579 90 Inhibition of pyrite weathering by recycling of selected effluents
- ECOLE DES MINES DE PARIS, FONTAINEBLEAU, FRANCE
0381 118 A geostatistical approach to predicting the washability characteristics of coal in situ
- ECOLOGY CONSULTANTS, INC., FORT COLLINS, COLORADO
0477 68 Federal Leasable and locatable mineral regulations: An environmental guide for resource managers
- ECONOMIC DEVELOPMENT, EDMONTON, ALBERTA
0882 3 Potential for water slurry transport of Alberta coal to Pacific tidewater
- EDF, LES RENARDIERES, FRANCE
1177 18 Theoretical method to determine monthly efficiency of flat plate solar-collectors
1177 19 Solar-energy and domestic heating needs
- EDMONTON POWER, EDMONTON, ALBERTA
0681 106 Development of the Genesee power project
- EDWIN E. MAUST, ST. LAUREL, MARYLAND
0680 139 Method for enhancing the utilization of powdered coal
- EG&G IDAHO, INC., IDAHO FALLS, IDAHO
0178 245 Effect of a simulated coal gasifier atmosphere on the biaxial stress rupture strength and ductility of selected candidate coal gasifier alloys
0181 208 Materials testing at the Hanna-IV and Hoe Creek-III in situ coal-gasification sites
- EL PASO NATURAL GAS COMPANY, EL PASO, TEXAS
0174 34 Pipeline-quality-gas from coal
0175 43 Plant to get pipeline-quality-gas from coal
- ELECTRIC POWER DEVELOPMENT CO., LTD., JAPAN
0680 21 Overall flue gas treatment technology from coal-fired power plants in Japan
- ELECTRIC POWER RESEARCH INSTITUTE, PALO ALTO, CALIFORNIA
0177 63 Conference of materials for coal conversion and utilization, Germantown, Maryland
0177 279 Materials for coal conversion and utilization, Gaithersburg, Maryland
0178 125 Electricity industry assessment of low-Btu-gas for power generation
0178 330 Third annual conference on materials for coal conversion and utilization, October 10 - 12, 1978, Gaithersburg, Maryland
- 0179 292 Demonstration of the resox process in Germany
0179 350 Coal gasification for electric utilities
0180 26 Synthetic liquid fuels
0180 288 Control strategy for gasification combined-cycle power plants
0181 115 Design of high-velocity fluid-beds for flash hydrogenation
0181 205 Limitations on the use of alloys in coal gasifiers for power generation
0181 233 The coal water coal gasification combined-cycle project
0182 110 A baseload gas turbine to meet utility requirements for reliability and availability
0182 117 Coal gasification for electric power generation
0276 81 Process for the isolation of chemicals from processed coals
0277 30 Conversion of Western United-States-coals to liquid products
0277 68 Coal/oil slurry feed pump development
0278 41 Coal Liquefaction: Status and New Directions
0280 147 Enhanced anti-solvent sedimentation of solids from liquids using pressurized carbon dioxide gas
0379 30 From cleaning: More coal per ton
0379 133
0380 13 EPRI research and development of coal-based power generation

CORPORATE AUTHOR INDEX

0380 146 Combined coal cleaning and FGD for SO₂/2 emissions control
0580 198 Use of PAH tracers during sampling of coal fired boilers
0581 91 Environmental impacts of coal utilization
0581 92 Advances in environmental control technology for coal-fired power plants
0676 41 Solvent refining for clean coal combustion
0677 80 Ash deposits and corrosion due to impurities in combustion gases
0677 118 High temperature corrosion in fluidized-bed combustion
0677 261 Fuel and ash evaluation to predict electrostatic precipitator performance: a progress report
0678 206 Development of efficient and reliable coal-fired power-plants for the future
0678 258 The pulverization and combustion of solvent refined coal - laboratory and pilot studies
0679 109 Metallurgical problems and opportunities in coal-fired steam power-plants
0680 222 6 X 6 fluidized-bed development facility: a status report
0680 226 Cofiring coal and refuse-derived fuel in a utility steam generator: operational experience and corrosion probe evaluation
0680 228 Coal use in boilers designed for oil and gas firing
0680 239 Assessment of hot gas clean-up systems and turbine erosion/corrosion problems PFBC combined cycle systems
0681 84 Circulating fluidized bed boilers
0681 97 Test results of the EPRI/B&W 6'x 6' fluidized bed combustor
0682 14 Size distribution of fine particles from coal combustion
0682 46 Research results and applications
0682 47 Technical assessment guide - Special Report
0980 7 Coal supply: new strategy for an old game
1177 14 The battery energy storage test (best) facility: Its purposes and description
1177 24 The present status of fusion power
1177 48 Coal: keystone of energy fuels
1178 38 Critical paths to coal utilization

ELECTRIC POWER RESEARCH INSTITUTE, WILSONVILLE, ALABAMA
0281 291 Filtering coal liquids: Clogging phenomena in the filtration of liquefied coal

ELECTRO OPTIC SYSTEMS, HUNTSVILLE, ALABAMA
0480 214 Lasers for coal mining automation

ELECTROMAGNETIC SENSING METROLOGY, BOULDER, COLORADO
0779 4 Development and testing of a microwave system to measure coal layer thickness up to 25-cm. Final technical report, September-30, 1978

ELECTRONIC ASSOCIATES, INC., WEST LONG BRANCH, NEW JERSEY
1177 7 Hybrid simulation of fuel cell power conversion systems

EMCON ASSOCIATES, INC., SAN JOSE, CALIFORNIA
0581 22 Groundwater quality monitoring at coal-fired power-plants: status and review

ENERCHEM INC., CLEVELAND, OHIO
0580 30 Selecting and using fuel additives

ENERGY ADVISORY PANEL, OFFICE OF SCIENCE AND TECHNOLOGY
0173 8 An assessment of new options in energy research and development

ENERGY AND ENVIRONMENTAL ANALYSIS, ARLINGTON, VIRGINIA
0378 50 Comparative engineering and cost analysis of coal beneficiation processes
0479 0 Coal and Profitability: An Investor's Guide
0479 213 Alluvial valley floors - an alternative identification strategy
0579 75 Impacts of recent regulatory actions on coal utilization
0579 104 Optimizing sediment control systems
1179 52 Data sources and methods for industrial energy analysis

CORPORATE AUTHOR INDEX

ENERGY AND ENVIRONMENTAL RESEARCH CORPORATION, SANTA ANA, CALIFORNIA	
0182 112	Bench scale testing of low-NO _x /x LBG combustors
0580 109	Mechanisms of nitrogen oxide (NO _x) formation and control: Alternative and and petroleum-derived liquid fuels
0581 65	NO _x formation from different coal types in a bench-scale reactor. Final report on stage 1 of International Energy Project for control of nitrogen oxide emissions during coal combustion
0677 88	The fate of fuel nitrogen - implications for combustor design and operation
0681 48	The thermal decomposition of pulverized coal particles
0681 148	Observation of the behavior of coal particles during thermal decomposition
0681 171	Assessment of pulverized-coal-fired combustor performance, models for coal combustion performance: analytical tool verification - topical report
ENERGY EQUIPMENT COMPANY LIMITED, UNITED KINGDOM	
0681 20	The two phase atmospheric fluid bed system, applied to efficient utilisation of coals and lignites for varied combustion applications and for efficient manufacture of industrial producer gas
ENERGY MINES AND RESOURCES, OTTAWA, ONTARIO	
1080 157	Removal of metals and coke during thermal hydrocracking of heavy hydrocarbon oils
ENERGY MODIFICATION INC., GAINESVILLE, FLORIDA	
0280 163	Separation of asphaltic materials from heptane soluble components in liquified solid hydrocarbonaceous extracts
ENERGY RESEARCH LABORATORIES, OTTAWA, ONTARIO	
0278 226	Chemical changes in nitrogenous materials during hydrocracking of Athabasca bitumen
0281 338	Development of a testing facility for direct hydrogenation of Canadian low rank coals
0282 65	Characterization of deposits formed on catalyst surfaces during hydrotreatment of coal-derived liquids
0681 192	Upgrading of inert-rich oxidized coal from western Canada with reducing gases to improve combustion performance
1081 55	C n.m.r. as a probe for the characterization of the low-temperature oxidation of coal
ENERGY RESOURCES COMPANY, INC., CAMBRIDGE, MASSACHUSETTS	
0579 65	Feasibility of alternatives for surface utilization of coal wastes - final technical report
0677 205	Analysis of combined potassium topping, steam bottom cycles using fluidized-bed combustion of consal char. Final Report
0681 187	Fluidized-bed combustor
ENERGY RESOURCES CONSERVATION BOARD, CALGARY, ALBERTA	
0181 227	A comparison of coal and gas as feedstocks for ammonia and methanol production in Alberta
0478 299	Reserves of coal, Province of Alberta at December 1978
0482 104	Prognoses for Alberta thermal and metallurgical coal
0981 5	Reserves of coal - Province of Alberta
1182 19	Policies that impact on the development of Alberta's coal reserves
ENERGY SYSTEM PROGRAMS DEPARTMENT, SCHENECTADY, NEW YORK	
0679 44	PFB coal-fired combined-cycle development program - management plan update
ENERGY TRANSPORTATION SYSTEMS, INC., SAN FRANCISCO, CALIFORNIA	
0381 78	ETSI coal evaluation plant
0881 15	An update of the ETSI pipeline
0881 36	Effluent characteristics and discharge permit considerations for the ETSI coal slurry pipeline
ENERGY, MINES AND RESOURCES CANADA, OTTAWA, ONTARIO	
0482 103	Coal and coke
0681 195	Recovery of alumina from coal rejects
0682 12	The CFB Summerside project Canadian state-of-the-art in AFBC boilers

CORPORATE AUTHOR INDEX

- ENGELHARD MINERALS AND CHEMICAL CORPORATION, MENLO PARK, NEW JERSEY
 0179 348 Catalytically supported thermal combustion of coal derived low BTU gas - Final Report, Part I: Performance with low Btu gas fuels
- ENGELHARD MINERALS AND CHEMICALS CORPORATION, EDISON, NEW JERSEY
 0277 94 Catalyst development for coal liquefaction, Annual report, July 1976 - June 1977
 0278 80 Catalyst development for hydroliquefaction of coal
 0279 146 Catalyst development for coal liquefaction
- ENGINEERING FOUNDATION, NEW YORK, NEW YORK
 0676 31 Fluidization technology, volume 1
 0676 32 Fluidization technology, volume 2
- ENGINEERING MANAGEMENT AND DEVELOPMENT, INC., SAN DIEGO, CALIFORNIA
 0279 144 An integrated system for coal-methanol liquefaction and slurry pipeline transportation, executive summary
 0280 348 An integrated system for coal-methanol liquefaction and slurry pipeline transportation, Final Report
- ENGINEERING SOCIETIES COMMISSION ON ENERGY, INC., WASHINGTON, DISTRICT OF COLUMBIA
 0179 328 Materials for coal conversion and use, Volume II, Part I and II, final report on task 005
 0180 220 Materials for coal conversion and use: Materials of construction for advanced power systems - Volume III
 0180 299 Materials in coal conversion and use technologies
 0278 134 Comparison of coal liquefaction processes, Final Report on Task 006
 0279 28 Final report on task 010: Guidelines for economic evaluation of coal conversion processes
 0280 255 Alternate fuels for industrial combustion engines
 0282 109 Liquid synfuels via pyrolysis of coal in association with electric power generation
 0478 268 Review of the borehole hydraulic coal mining system
 0679 43 Materials for coal conversion and use, Vol. I
 0679 126 Materials of construction for atmospheric fluidized bed coal combustion
- ENGINEERS INTERNATIONAL INC., DOWNERS GROVE, ILLINOIS
 0478 292 Technical Assessment of Patents related to underground coal mine haulage: Appendix I Power driven conveyors
- ENGLISH ELECTRIC VALVE COMPANY LTD., CHELMSFORD/ESSEX, UNITED KINGDOM
 0481 71 Gas detection sensors - the survivor
- ENSCI, INC., COLLEGE PARK, MARYLAND
 0179 288 European contribution to heat exchanger design/performance HTFS research and computer programs, final report, July 1, 1978 - September 30, 1979
- ENSCO, INC., SPRINGFIELD, VIRGINIA
 0477 158 Mine roof stratigraphy using electromagnetic radar
- ENVIROGENICS SYSTEMS COMPANY, EL MONTE, CALIFORNIA
 1076 22 Membrane applications to coal conversion processes, Final report, June 1975 - Sept. 1976
- ENVIRONMENT CANADA, CALGARY, ALBERTA
 0580 93 The effects of surface mining of coal on water quality near Grande Cache, Alberta
- ENVIRONMENT CANADA, OTTAWA, ONTARIO
 0582 2 Environmental implications of Canadian coal mining, preparation and combustion
- ENVIRONMENTAL RESEARCH & TECHNOLOGY, INC., CONCORD, MASSACHUSETTS
 0580 82 Coal mine disposal of flue gas cleaning wastes

- ENVIRONMENTAL SCIENCE AND ENGINEERING, INC., GAINESVILLE, FLORIDA
0578 31 Environmental baseline study for an atmospheric fluidized-bed combustion/component test and integration unit (AFBC/CTIU)
- ENVIROSPHERE COMPANY, NORCROSS, GEORGIA
0881 39 Expediting the licensing procedure for a slurry transport project
0882 56 Computer assisted data analysis of slurry pipeline route selection
- ENVIROTECH CORPORATION, MENLO PARK, CALIFORNIA
0479 228 Health implications of using diesel mining machinery
- ENVIROTECH CORPORATION, SALT LAKE CITY, UTAH
0380 46 Technology and performance of the hi-capacity thickener
- ESSO RESEARCH CENTRE, ABINGDON, UNITED KINGDOM
0177 104 First trials of Chemically Active Fluidized-Bed (CAFB) pilot plant on coal
0673 15 Sulfur retention in fluidized-beds of lime under reducing conditions
0673 25 The design, construction, and operation of the Abingdon fluidized-bed gasifier
- ESSO RESOURCES CANADA LTD., CALGARY, ALBERTA
0782 9 Computer modelling of the geology of the Coal Mountain Mine
- ETSI PIPELINE PROJECT, CASPER, WYOMING
0882 40 Environmental impact statement - the ETSI project
- ETSI PIPELINE PROJECT, SAN FRANCISCO, CALIFORNIA
0882 13 Coal slurry dewatering operations wastewater treatability studies
0882 15 Water quality simulation for the design of the ETSI wastewater treatment facilities
0882 32 ETSI to date
0882 39 ETSI coal evaluation plant
- EUCLID, INC., CLEVELAND, OHIO
0881 3 Analyze haul truck cost wisely
- EUROPETROL SURVEYS, MIDDLESEX, UNITED KINGDOM
0482 60 Five-decade plan for Polish coal mining
- EXPLOSION AND FLAME LABORATORY, BUXTON, UNITED KINGDOM
0479 160 Underground fires involving conveyor systems, 1958 - 1978
0680 57 Studies of a possible mechanism of deflagration during delay round firing in coal
- EXPLOSION AND FLAME LABORATORY, DERBYSHIRE, UNITED KINGDOM
0480 166 Reducing the ignition risk from auxiliary fans
- EXTRACTION RESEARCH & DEVELOPMENT, INC., ALBUQUERQUE, NEW MEXICO
0380 169 Process for the recovery of alumina from fly ash and production of cement constituents
- EXXON ENTERPRISES, INC., NEW YORK, NEW YORK
1177 12 Storage of off-peak thermal energy in oil
- EXXON PRODUCTION RESEARCH COMPANY, HOUSTON, TEXAS
1082 60 Determination of trace elements in coal by an oxygen bomb combustion/atomic absorption spectrophotometric method

EXXON RESEARCH AND DEVELOPMENT LABORATORIES, BATON ROUGE, LOUISIANA
 0278 220 The effect of catalyst properties of heavy feed hydroprocessing
 0681 7 An information system for the 80s

EXXON RESEARCH AND ENGINEERING COMPANY, BAYTOWN, TEXAS

0177 15 Coal conversion technology
 0178 153 Kinetics of potassium catalyzed gasification
 0178 232 Exxon catalytic coal gasification process: predevelopment program. Annual Report, July 1976 - June 1977
 0178 287 Exxon catalytic coal gasification process: predevelopment program. Final project report
 0179 272 Gasifier operation and modeling in the Exxon catalytic coal gasification process
 0180 281 Alkali catalyzed carbon gasification 1. Nature of the catalytic sites
 0180 282 Alkali catalyzed carbon gasification 2. Kinetics and mechanism
 0181 0 Coal gasification process chemistry
 0181 215 Coal gasification in a process development unit
 0182 56 Behaviour of calcium as a steam gasification catalyst
 0276 17 Chemical properties of Synthoil products and feeds, Final Report, Part IV
 0276 18 Chemical properties of Synthoil products and feeds, Final Report, Part I
 0276 19 Chemical properties of Synthoil products and feeds, Final Report, Part II
 0276 22 Chemical properties of Synthoil products and feeds, Final Report, Part V
 0276 23 Chemical properties of Synthoil products and feeds, Final Report, Part III
 0278 110 EDS coal liquefaction process development, Phase IIIA. Final technical progress report, January 1976 - June 1977. Volume 1
 0278 139 EDS coal liquefaction process development, Phase IIIA. Final technical progress report, January 1976 - June 1977. Volume 2
 0279 34 Fluid coking of coal liquefaction residues. Final technical progress report and interim technical progress report for fourth residue
 0279 73 Stability of adamantane and its derivatives to coal liquefaction conditions, and its implications toward the organic structure of coal
 0279 74 Kinetics of donor-vehicle coal liquefaction in a flow reactor
 0279 187 Calcium carbonate deposit formation during the liquefaction of low rank coals
 0280 1 Alkylation: A beneficial pretreatment for coal liquefaction
 0280 337 Bottoms recycle studies in the EDS process development
 0281 151 Coal feed flexibility in the Exxon Donor Solvent coal liquefaction process
 0281 207 Applications of semi-empirical model for the EDS coal liquefaction process
 0281 293 Current operating experience of Exxon donor solvent coal liquefaction process
 0282 72 Solvent quality effects in the Exxon Donor Solvent coal liquefaction process
 0282 110 EDS coal liquefaction products as petrochemical feedstocks
 0580 86 Reducing NO_x discharges: Easy as ABC
 0581 34 Spectrophotometric determination of uncomplexed cyanide and thiocyanate in wastewater with p-phenylenediamine
 0680 60 Laboratory combustibility testing of solid fuel
 0681 77 DTGA combustion of coals in the Exxon coal library
 1077 49 Characterization of coal products by mass-spectrometry
 1078 79 Ultra high resolution mass-spectrometry analysis of petroleum and coal products
 1079 33 Estimation of sulfur content in coal from titration of calorimeter bomb washings
 1079 135 Analysis for sulphur in coal ash
 1079 201 Coal structure and coal science: Overview and recommendations
 1080 9 Multitechnique multielemental analysis of coal and fly-ash
 1080 16 Free radical chemistry of coal liquefaction: role of molecular hydrogen
 1080 109 Technique to measure the temperature of agglomeration of coal ash
 1080 225 Coal characterization research: sample selection, preparation, and analyses
 1082 77 Applications of hydride generation - atomic absorption spectrometry to coal analysis

EXXON RESEARCH AND ENGINEERING COMPANY, CLARK, NEW JERSEY
 0281 119 Treatment of heavy coal fractions

CORPORATE AUTHOR INDEX

EXXON RESEARCH AND	ENGINEERING COMPANY, FLORHAM PARK, NEW JERSEY
0178 354	Coal gasification and liquefaction in perspective
0179 54	Large pilot plant alternatives for scaleup of the catalytic coal gasification process. Final Report
0179 251	SNG from coal by catalytic gasification
0180 91	Alkali metal recovery from carbonaceous material conversion process
0180 92	Process for carbonaceous material conversion and recovery of alkali metal catalyst constituents held by ion exchange sites in conversion residue
0180 105	Gas distributor for fluidized bed coal gasifier
0180 109	Fluid coking and gasification process
0180 122	Process for the production of an intermediate Btu gas
0180 128	Process for the production of a chemical synthesis gas from coal
0180 205	Formation of caking coals
0181 70	The chemistry and technology of synthetic fuels
0182 70	Coal conversion process
0278 43	Exxon donor-solvent coal liquefaction process development
0280 14	Materials evaluation program for the EXXON donor solvent coal liquefaction process
0280 123	Combination hydroconversion coking and gasification
0280 127	CO//2 pretreatment prevents calcium carbonate formation
0280 137	Hydrogen-donor coal liquefaction process
0280 307	Exxon Donor Solvent coal liquefaction process: development program status
0281 16	Volatility of coal liquids at high temperatures and pressures
0281 49	Donor solvent coal liquefaction
0281 79	Coal liquefaction process
0281 302	EDS coal liquefaction process development - Phase V. EDS commercial plant study design update offsite design basis - Wyoming coal case - Interim report
0281 303	Oxygen-alkylation of carbonous material and products thereof
0281 306	Removal of phenols from phenol-containing streams
0281 307	Liquid fuels from coal: the Exxon Donor Solvent process
0281 358	Liquefaction process
0281 360	Coal liquefaction process
0282 19	Density, viscosity, and surface tension of coal liquids at high temperatures and pressures
0282 100	Exxon donor solvent plant: Design update
0282 159	Liquefaction of carbonous material with vapour phase hydrogen donor solvents
0282 194	Coal liquefaction - A status report (VII) on Exxon's Donor Solvent Process
0282 196	Coal conversion in the presence of added hydrogen sulfide
0381 88	Deminerallization of coal
0580 7	Water pollution control in the Exxon donor solvent coal liquefaction process
0582 0	Evaluation of a cyclone dust collector for high-temperature, high-pressure particulate control
0678 22	Solids mixing and fluidization characteristics in a tube filled bed
0678 20	Industrial application fluidized bed combustion - Indirect fired process heaters, final program report
0680 168	Thermal DeNO//x: the practical approach to deep NO//x reduction
0682 55	Method for producing coke
1081 193	
EXXON RESEARCH AND	ENGINEERING COMPANY, LINDEN, NEW JERSEY
0175 26	Evaluation of pollution control in fossil-fuel conversion processes. Gasification: Section 5. Bl-Gas process
0177 157	Development of improved Fischer-Tropsch catalysts for production of liquid fuels
0177 297	Production economics for hydrogen, ammonia and methanol during the 1980 - 2000 period
0178 86	Catalytic gasification predevelopment research
0178 129	Catalytic hydrogenation of carbon monoxide on nickel foils and powders
0178 292	Pre-methanation purification study: Removal of low concentration gaseous-sulfur compounds (catalyst poisons). Final report, July 1975 - July 1977
0178 404	Problem areas in catalytic production of fuels and chemicals from syngas
0179 141	Coal science: Basic research opportunities
0180 85	Catalytic coal gasification for SNG manufacture
0180 103	Gasification of ash-containing solid fuels
0180 228	Gasification process
0180 281	Alkali catalyzed carbon gasification 1. Nature of the catalytic sites

0180 282	Alkali catalyzed carbon gasification 2. Kinetics and mechanism
0181 181	The interrelationship of graphite intercalation compounds, ions of aromatic hydrocarbons, and coal conversion. II
0278 120	Viscosity reduction in coal liquefaction bottoms via silylation
0279 73	Stability of adamantane and its derivatives to coal liquefaction conditions, and its implications toward the organic structure of coal
0279 177	The concept of asphaltenes
0280 1	Alkylation: A beneficial pretreatment for coal liquefaction
0280 299	Chemical composition of raw and upgraded anthracene oil and the chemistry of coal liquids upgrading
0281 40	Fischer-Tropsch synthesis on a precipitated iron catalyst
0281 75	Pyrolysis studies of organic oxygenates. 2. Benzyl phenyl ether pyrolysis under batch autoclave conditions
0281 122	Investigation in the use of heavy oils (and derivatives) to process coal
0281 237	Chemical composition of raw and upgraded anthracene oil and the chemistry of coal-liquids upgrading
0281 285	Silicon-29 NMR: A new tool for coal liquids characterization
0381 28	A comparative assessment of flue gas treatment processes Part I - Status and design basis
0578 114	Environmental assessment of coal conversion to gaseous and liquid fuels and electric power
0580 19	Environmental R & D needs for advanced power plants
0671 0	Laboratory studies and mathematical modeling of NO _x formation in combustion processes - Final Report
0677 38	Sorbent regeneration in fluidized-bed combustion
0677 41	Pressurized fluidized-bed coal combustion
0677 104	Studies of waterwall corrosion with staged combustion of coal
0677 115	Hot corrosion/erosion materials program and experience in the pressurized fluidized-bed coal combustion miniplant
0677 140	Temperature control in the Exxon fluidized-bed combustion miniplant
0677 162	Pressurized FBC studies I. Combustion
0677 166	A program for hot corrosion/erosion materials testing for application to fluidized-bed coal combustion
0677 172	Regenerable sorbents for fluidized-bed combustion
0677 174	Pressurized FBC studies II. Sorbent regeneration and particulate control
0677 180	Application of FBC technology to industrial boilers
0677 181	The application of fluidized-bed combustion to refinery process heaters
0677 241	Application of fluidized-bed technology to industrial boilers
0677 255	Studies of the pressurized-fluidized-bed coal combustion process
0678 226	Developing regenerable SO ₂ /2 sorbents for fluidized-bed coal combustion using thermogravimetric analysis
0679 97	New regenerable sorbents for fluidized-bed coal combustion
0679 151	Hot corrosion/erosion testing of materials for application to advanced power conversion systems using coal-derived fuels - Task II - Fluidized-bed combustion
0680 143	Control of emissions from the pressurized fluidized bed combustion of coal
0681 133	Distribution of sulfur within a burning fixed bed of coal char
1078 65	Effect of Friedel-Crafts alkylation on the caking properties of bituminous coal
1078 116	Effect of drying on the adsorptive properties of subbituminous coal
1079 39	Selective alkylation of acidic hydroxyl groups in coal
1080 129	EXAFS studies of supported metal catalysts
1080 217	Organic compounds in coal: structure and origins
1081 7	Coal. Kinetics of O-Alkylation
1081 22	Effect of O-alkylation on the caking properties of coal
1081 38	Pyrolysis of benzyl ether under hydrogen starvation conditions
1081 155	O-Alkylation chemistry of coal and its implications for the chemical and physical structure of coal
1081 215	Heat capacity and NMR studies of water in coal pores
1177 12	Storage of off-peak thermal energy in oil

EYRING RESEARCH INSTITUTE, PROVO, UTAH

0178 375 Experimental and process design study of a high rate entrained coal gasification process, final report.
January 1974 - November, 1978

- F.R. BRUMBAUGH & ASSOCIATES, LEAGUE CITY, TEXAS
0579 45 Get the big picture - To comply with reclamation laws
- F.T. FISHER'S SONS LTD., MONTREAL, CANADA
0178 227 Electrical induction heating, A new approach to underground coal gasification
0179 135 New approach to underground coal gasification
0678 218 Electrical induction heating of solid fossil-fuels in-situ - some estimates
- FACULTE POLYTECHNIQUE, MONS, BELGIUM
0179 347 Economic aspects of coal gasification and liquefaction in Belgium
- FAIRCHILD SPACE & ELECTRONICS COMPANY, GERMANTOWN, MARYLAND
0478 218 Low headroom transfer chute for underground belt conveyors: Analysis of coal flow through ninety degree transfer point and preliminary design
- FERTILIZER PLANNING AND DEVELOPMENT INDIA LTD., BIHAR, INDIA
0180 240 A study on fusion behaviour of coal ashes for gasification of coal
- FILTROL CORPORATION, LOS ANGELES, CALIFORNIA
0281 157 Zeolite-supported metal catalysts for Fischer-Tropsch reactions. 1. A new preparation method
- FIRESTONE TIRE & RUBBER COMPANY, AKRON, OHIO
0178 413 Study toward the development of shaped charges in support of the University of California's Lawrence Livermore Laboratory's in-situ coal gasification program - Final Report
- FISHER SCIENTIFIC, PITTSBURGH, PENNSYLVANIA
1081 218 Coal analyzer
- FLEXIBLE STEEL LACING COMPANY, DOWNERS GROVE, ILLINOIS
0479 185 Choosing & using conveyor belt fasteners
- FLORIDA INSTITUTE OF TECHNOLOGY, MELBOURNE, FLORIDA
0181 105 The thermodynamic performance of two combined cycle power plants integrated with two coal gasification systems
- FLORIDA POWER & LIGHT COMPANY, MIAMI, FLORIDA
0681 144 Coal/oil mixture experience at Florida power & light company
- FLORIDA POWER CORPORATION, ST. PETERSBURG, FLORIDA
0181 234 Repowering a steam turbine plant with commercially available coal gasification combined-cycle equipment
- FLORIDA STATE UNIVERSITY, TALLAHASSEE, FLORIDA
0181 108 Aerosol emissions near a coal gasification plant in the Kosovo Region, Yugoslavia
0581 16 Pixe analysis of time-sequence 'streaker' filters from Johannesburg
1079 53 Electron beam ionization for coal fly-ash precipitators
- FLUIDIZED COMBUSTION CONTRACTORS LIMITED, SYDNEY, AUSTRALIA
0679 146 Fluidized beds for coal burning
- FLUIDYNE ENGINEERING CORPORATION, MINNEAPOLIS, MINNESOTA
0676 19 Report on the air preheater system for the MHD component development integration facility, Butte, Montana.
FluidYne report 1079
- 0677 182 Industrial application fluidized-bed combustion process
- FLUOR CANADA LIMITED, CALGARY, ALBERTA
0881 8 Coal slurry pipeline feasibility study
0882 24 Alberta coal supply pipeline study - 1981
0882 64 Western Canadian coal transport by slurry pipeline

FLUOR ENGINEERS AND CONSTRUCTORS, INC., HOUSTON, TEXAS

0179 137 2-gasifiers improve SNG plant
 0179 355 SNG by Fluor - combination coal gasification
 0180 176 FGD good with coal conversion
 0181 249 Start-up, operation and shutdown of a Wellman-Galusha gasifier

FLUOR ENGINEERS AND CONSTRUCTORS, INC., IRVINE, CALIFORNIA

0178 117 Economic studies of coal gasification combined-cycle systems for electric-power generation
 0178 345 Economics of Texaco Gasification - combined-cycle systems
 0178 407 Economics of Texaco gasification combined cycle systems, final report
 0178 412 Economics of fuel gas from coal - an update including the British Gas Corporation's slagging gasifier, Final Report - May 1978
 0179 271 Economic evaluation of GCC power plants based on the STEAG combined-cycle design and comparison with a U.S. combined-cycle-based system
 0180 125 Process for the manufacture of fuel gas
 0180 195 Entrained gasification combined-cycle control study, Volume 1: Summary of results and conclusions
 0180 288 Control strategy for gasification combined-cycle power plants
 0181 198 Economic evaluation of coal gasification for electric power generation (an update) - Final Report
 0181 209 Pyrolysis and physical properties of coal blocks
 0277 4 Conceptual design for advanced coal liquefaction commercial-plant, Final report, Vol. 2 Engineering Design, Part B
 0277 91 Conceptual design for advanced coal liquefaction commercial plant, Final report, Volume 3. Background studies
 0277 92 Conceptual design for advanced coal liquefaction commercial plant, Final report, Volume 1. Summary and economics
 0277 103 Conceptual design for advanced coal liquefaction commercial-plant, Final Report, Vol. 2. Engineering Design, Part A
 0277 114 Conceptual design for advanced coal liquefaction commercial-plant. Annual technical progress report. April 1976 - April 1977
 0278 112 Conceptual design for advanced coal liquefaction commercial plant, Final report, Additional studies
 0278 114 Evaluation of pump materials in coal liquefaction service, Special report
 0278 156 Coal liquefaction test center
 0279 133 Engineering evaluation of conceptual coal conversion plant using the H-Coal liquefaction process
 0282 43 Mega-projects: a growing management challenge
 0282 81 Coal to oil and gas Sasol one, two and three
 1179 45 Coal utilization - industrial energy parks

FLUOR ENGINEERS AND CONSTRUCTORS, INC., LOS ANGELES, CALIFORNIA

0175 41 Economics of air vs oxygen pressure gasification of coal
 0177 153 Application of coal gasification for the production of iron-ore pellets
 0179 248 Fuel gas by Fluor-combination coal gasification
 0276 12 Corrosion/Erosion analysis of construction materials at the Cresap pilot plant, Special Report
 0276 77 Evaluation of flow measuring and control valve applications for coal liquefaction process streams for Cresap testing
 0276 78 Evaluation of heat-exchange for Cresap testing
 0276 79 Evaluation of fired heaters for Cresap testing
 0276 98 Coal liquefaction design practices manual
 0277 115 Evaluation of valves for Cresap testing
 0479 132 Optimization of dragline operation

FLUOR ENGINEERS AND CONSTRUCTORS, INC., SANTA ANA, CALIFORNIA

0282 128 Sasol Two and Sasol Three

FLUOR OCEAN SERVICES LIMITED, HOUSTON, TEXAS

0882 24 Alberta coal supply pipeline study - 1981
 0882 64 Western Canadian coal transport by slurry pipeline

CORPORATE AUTHOR INDEX

FLUOR POWER SERVICES, INC., CHICAGO, ILLINOIS

0280 342 Synfuels for utilities
 0379 38 Conversion of industrial plants to use coal as fuel
 0681 215 Zero discharge water management system

FLUOR UTAH, INC., SAN MATEO, CALIFORNIA

0177 153 Application of coal gasification for the production of iron-ore pellets
 0375 7 Economic system analysis of coal preconversion technology, Volume 4. Large-scale coal processing for coal.
 conversion
 0475 1 Economic system analysis of coal preconversion technology, Phase 1. Interim report for the period Aug. 1973 -
 July 1975, Volume 3. Surface coal mining methods and equipment
 0475 2 Economic system analysis of coal preconversion technology
 0477 166 Economics of Large-Scale Surface Coal Mining Using Simulation Models: Executive summary, Final Report, Volume
 1
 0477 167 Economics of large-scale surface coal mining using simulation modes: area stripping with draglines using
 Illinois Basin Region test case, Final report, Volume 2
 0477 168 Economics of large-scale surface coal mining using simulation modes: area stripping with draglines using Four
 Corners Region test case, Final report, Volume 3
 0477 169 Economics of large-scale surface coal mining using simulation modes: Area stripping with draglines using Fort
 Union Region Test case, Final report, Volume 4
 0477 170 Economics of large-scale surface coal mining using simulation modes: Area stripping with draglines using Texas
 Gulf Region test case, Final report, Volume 5
 0477 171 Economics of large-scale surface coal mining using simulation modes: Area stripping with shovels and trucks
 using Powder River Region Test case, Final report, Volume 7
 0477 172 Economics of large-scale surface coal mining using simulation modes: Mountain top removal mining using
 Appalachia-West-Virginia test case, Final report, Volume 8
 0477 173 Economics of large-scale surface coal mining using simulation modes: Multiple dipping seam mining using
 Green-River Region test case, Final report, Volume 9
 0477 174 Economics of large-scale surface coal mining using simulation modes: User's Manual for area dragline
 macromodel, Final report, Volume 10
 0477 175 Economics of large-scale surface coal mining using simulation modes: User's manual for area shovel truck
 macromodel, Final report, Volume 11
 0477 176 Economics of large-scale surface coal mining using simulation modes: User's manual for contour stripping with
 draglines macromodel, Final report, Volume 12
 0477 177 Economics of large-scale surface coal mining using simulation modes: User's manual for cash flow analysis
 model, Final report, Volume 13
 0477 178 Economics of large-scale surface coal mining using simulation modes: User's Manual for dragline stripping
 micromodels, Final report, Volume 14
 0477 179 Economics of large-scale surface coal mining using simulation modes: User's manual for shovel truck mining
 micromodels, Final report, Volume 15
 0477 180 Economics of large-scale surface coal mining using simulation modes: User's manual for nonstripping mining
 function micromodels, Final report, Volume 16
 0479 122 Back to the coal mines

FMC CORPORATION, ITASCA, ILLINOIS

0580 178 Operating experience with a concentrated double alkali process

FMC CORPORATION, PRINCETON, NEW JERSEY

0178 406 Gasification of COED chars in a Koppers-Totzek gasifier
 0274 7 Char-oil energy development
 0275 24 Char oil energy development, Volume 1. Final report for the period Aug. 1971 - June 1975
 0275 28 Char oil energy development, Volume 11 - Appendix B. computer program documentation, final report for the
 period August 18, 1971 through June 30, 1975
 0282 114 Literature review of toxicological properties of petroleum and coal-derived oil products
 0479 123 Drilling hard siliceous sandstone strata effectively
 0882 54 The effects of viscosity reducing chemical additives on slurry rheology and pipeline transport performance for
 various mineral slurries

- FMC CORPORATION, SANTA CLARA, CALIFORNIA
 0377 44 Dry table - pyrite removal from coal
 0476 28 Mine shaft fire and smoke protection system. Volume 11. Validation testing and cost effectiveness evaluation
 0478 264 Intermediate Drive Belt Conveyor. Final technical report
 0479 215 Using cross-pit conveyors for maximum efficiency
- FORD MOTOR COMPANY, DEARBORN, MICHIGAN
 0179 185 Catalysis of carbon-steam gasification by ash components from two lignites
- FORD, BACON & DAVIS, INC., NEW YORK, NEW YORK
 0880 40 Mechanical devices for handling coal in freezing weather
 1178 31 Energy outlook: Coal as a fuel
- FORDING COAL LIMITED, CALGARY, ALBERTA
 0281 14 Coal pyrolysis - the third alternative
 0480 18 Fording river mine : an overview
- FORDING COAL LIMITED, ELKFORD, BRITISH COLUMBIA
 0378 21 Coal processing at Fording Coal Limited
 0479 257 Performance of a waste rock dump on moderate to steeply sloping foundations
 0482 105 Water drainage through waste dumps at Fording Coal Limited
- FOREST RESEARCH INSTITUTE, DEHRA DUN, INDIA
 1080 221 A short note on the suitability of high viscous grade fuel oil for blending coal tar creosote for preservative treatment of timber
- FOSTER ASSOCIATES, INC., WASHINGTON, DISTRICT OF COLUMBIA
 0174 38 Prospective regional markets for coal conversion plant products projected to 1980 and 1985, Volume I. Market analysis
 0174 39 Prospective regional markets for coal conversion plant products projected to 1980 and 1985, Volume II. Current and projected demand, supply and price of energy in the United States
 0174 40 Prospective regional markets for coal conversion plant products projected to 1980 and 1985, Volume III. Current and Projected demand, supply and price of energy in the United States. Schedules
- FOSTER WHEELER ENERGY CORPORATION, LIVINGSTON, NEW JERSEY
 0177 81 Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II
 0177 87 Coal gasification combined-cycle pilot plant system analysis
 0177 89 Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II, Volume 12. Coal-flow model testing of a Two-stage Entrained-flow slagging coal gasifier
 0177 102 Design report, Volume 7, Section 500 - Gas compression, transport gas, and fuel supply. Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II
 0177 168 Design report, Volume 15. Conceptual design of a commercial plant
 0177 185 Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II, Volume 14. System analysis
 0177 189 Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II, Volume 12. Cold flow model testing of a two stage entrained-flow slagging coal gasifier
 0177 192 Development work for an advanced coal gasification system for electric power generation from coal directed toward a commercial gasification generating plant. Phase II, Volume 12. Cold flow model testing of a two stage entrained-flow slagging coal gasifier (Appendices)
 0177 273 Design report, Volume 1. Process design. Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II
 0177 281 Design report: Volume-4, Section-200 - Water wash, sour water stripping, and slurry processing. Development

CORPORATE AUTHOR INDEX

	work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase-II
0177 283	Design report: Volume-11, Mechanical specifications. Development work for an advanced coal gasification system for electric power generation from coal directed toward a commercial gasification generating plant. Phase II
0177 284	Design report: Volume-9, Section-700 - Support facilities. Development work for an advanced coal gasification system for electric power generation from coal directed toward a commercial gasification generating plant. Phase II
0177 285	Design report: Volume-2, Section-100 - Gasification. Development work for an advanced coal gasification system for electric power generation from coal directed toward a commercial gasification generating plant. Phase II
0177 286	Design report: Volume-8, Section-600 - Gas-turbine and waste heat boiler. Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II
0177 287	Design report: Volume-10, Mechanical Specifications and general notes requisitions. Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant. Phase II
0178 238	Design report: Volume 5, Section 300-Sulfur Removal. Development Work for an advanced coal gasification system for electric power generation from coal directed toward a commercial gasification generating plant. Phase II
0179 12	Development work for an advanced coal gasification system for electrical-power generation from coal directed toward a commercial gasification generating plant. Design Report. Volume 16. Preliminary Engineering Design. Hot flow model program
0180 241	Coal gasification at the University of Minnesota's Duluth campus heating plant
0270 1	Engineering Evaluation of Project Gasoline, Consol Synthetic Fuel Process
0272 1	Engineering evaluation and review of consol synthetic fuel process
0281 294	Correlations evaluated for coal-tar liquids
0673 27	A pressurized fluidized-bed boiler development plant
0677 35	Low-temperature combustion of solid-fuels in a fluid-bed containing a heat sink
0677 104	Studies of waterwall corrosion with staged combustion of coal
0677 110	The influence of heavy metals lead and zinc on corrosion and deposits in refuse fired steam generators
0677 192	Development of fluidized-bed combustion systems
0678 18	Feasibility study of a spreader-stoker feed system for over-bed feeding of coal in limestone in a utility-size fluidized-bed steam generator
0678 72	Fluidized-bed combustion has HPI potential
0679 145	Atmospheric fluidized bed fired industrial size steam-generator design
0680 206	Design study of a coal-fired thermionic (THX) - topped power plant
0681 63	Control strategies for fluidized bed combustion
0681 163	Industrial fluidized bed steam generation
FOSTER WHEELER ENERGY LIMITED, READING, UNITED KINGDOM	
0180 187	Synthesis gas from coal
0181 118	Fuel gas from coal
FOSTER WHEELER LIMITED, READING, PENNSYLVANIA	
0682 15	Summerside - atmospheric fluidized bed boiler plant
FOSTER WHEELER LIMITED, ST. CATHERINES, ONTARIO	
0678 250	Conceptual design of a fluidized bed steam generator
0679 59	Fluidized-bed firing of coal for steam generation
FOSTER MILLER ASSOCIATES, INC., WALTHAM, MASSACHUSETTS	
0177 121	Foster-Miller's development of dry coal-feed systems
0177 220	Coal feeder development, Phase II. Progress Report, October 1975 - June 1977
0477 147	Development of optimized diffuser and spray fan systems for coal mine face ventilation
0477 157	Evaluation of coal thickness sensors, Volume I, Final Phase I Report
0477 159	Development of a flexible shaft roof drilling system, Final Report
0477 162	Evaluation of coal thickness sensors. Volume II. Final, Phase I Report. Contractor - Foster Miller Associates, Inc.
0479 198	Design, fabrication and demonstration of an inert gas generator. Volume 1, Final report

- 0479 237 Evaluation of escape routes
0678 138 Development of feed systems for pressurized coal-conversion processes
- FOURROUX, J.D.
0681 115 Tennessee Valley Authority 20-MW AFBC pilot plant-design features and test program TVA/OP/ED&T - 81/32
- FOXBORO CO., FOXBORO, MASSACHUSETTS
0582 13 Intrinsic Safety: Effects on loss prevention
- FRANKLIN INSTITUTE RESEARCH LABORATORIES, PHILADELPHIA, PENNSYLVANIA
0169 0 Szikla-Rozinek coal gasifier-devolatilization of American-coals under conditions of a Szikla-Rozinek gasifier-furnace
- FRED C. HART ASSOCIATES, INC., NEW YORK, NEW YORK
0279 217 The impacts of ISCA on SRC-II commercialization
0479 223 An analysis of the office of surface mining estimates of the cost of implementing the surface mining control and reclamation act
0579 120 The impact of RCRA on coal gasification wastes
0581 61 Analysis of industrial boiler solid waste impacts
- FRYER CONSULTANTS, EDMONTON, ALBERTA
1081 228 The evaluation of Alberta coals for thermal and conversion purposes
- FUEL RESEARCH INSTITUTE OF SOUTH AFRICA, PRETORIA, SOUTH AFRICA
0180 47 Trends in coal gasification for South-Africa
0279 159 Relationships between coal liquefaction behaviour and the composition of South-African coals
0279 195 Changes in the chemical composition of the oil formed with variations in hydrogenation conditions
0280 32 Process effects on the nature of coal liquefaction products
0280 57 Ageing studies on coal hydrolysis liquids
0282 20 The effect of solvent properties on the supercritical gas extraction of coal
0380 9 Dense medium beneficiation of minus 0.5 mm coal in the Republic of South-Africa
0380 129 The beneficiation of fine coal by dense-medium cyclone
0480 60 Examining dyke influence on coal seams
0679 125 A mineralogical investigation into problems associated with the particle-size analysis of fine grit from a pulverized-coal-fired power-station
- 1078 64 Fluorescence spectroscopy in the characterization of coal derived liquids
1080 49 Chemical nature of coal hydrogenation oils. Part 2, the effect of temperature
1080 50 Chemical nature of coal hydrogenation oils. Part 1, the effect of catalysts
1180 5 A review of research and development on coal conversion in the Republic of South-Africa
- FUJIKOSAN COMPANY LIMITED, WAKAYAMA, JAPAN
1080 140 Simple and improved methods of viscosity measurements for pitch
- FUTURE RESEARCH INC., STAMFORD, CONNECTICUT
0281 92 Versatile coal-liquefaction process operates at ambient pressures, could trim costs
- GAI CONSULTANTS, INC., MONROEVILLE, PENNSYLVANIA
0579 117 Fly ash structural fill handbook
- GARD, INC., NILES, ILLINOIS
0677 59 Continuous high pressure lump coal-feeder design study
- GARRETT RESEARCH AND DEVELOPMENT COMPANY INC., LA VERNE, CALIFORNIA
0274 12 Garrett's coal pyrolysis process

- GAS DE FRANCE, PARIS, FRANCE
0678 241 Preliminary research into the deep underground gasification of coal, outlook and problems
- GAS RESEARCH INSTITUTE, CHICAGO, ILLINOIS
0178 330 Third annual conference on materials for coal conversion and utilization, October 10 - 12, 1978, Gaithersburg, Maryland
0180 29 Basic coal sciences project: Advisory committee report
0180 30 Coal structure and characteristics
0180 31 Reactions of coal, intermediates and products
0180 98 Coal conversion apparatus
0181 13 A proposal for basic studies of autocatalytic and photocatalytic coal gasification processes using a homogeneous volume heating apparatus
0182 85 Rationale for domestic synthetic fuel alternatives
1080 40 Standard reference coals
1080 41 The use of model compounds in coal chemistry
- GATES RUBBER COMPANY, DENVER, COLORADO
0379 41 Keeping V-belts in the groove
- GAUHATI UNIVERSITY, GAUHATI, ASSAM, INDIA
1081 43 Interaction of iron with humic acid extracted from lignite
- GAZ DE FRANCE, HEVALLOIS PERRET, FRANCE
0182 81 Major problems, first results and projects of underground gasification of deep coal in France
- GCA CORPORATION, BEDFORD, MASSACHUSETTS
0580 152 Inventory of organic emissions from fossil fuel combustion for power generation
- GERB EICKHOFF GMBH, BOCHUM, WEST GERMANY
0479 112 Electrical equipment of a new shearer loader
- GEGE, LEATHERHEAD, SURREY, UNITED KINGDOM
0579 59 Particulate formation in power station boiler furnaces
- GENERAL ANALYTICS, INC., MONROEVILLE, PENNSYLVANIA
0474 5 State of the art of subsidence control
- GENERAL ATOMIC COMPANY, SAN DIEGO, CALIFORNIA
0279 225 Production of liquid fuels with a high-temperature gas-cooled reactor
0677 34 Fluidized combustion of beds of large, dense particle in reprocessing HTGR-fuel
0678 30 Solids handling and fluidized-bed combustion techniques developed for an HTGR fuel reprocessing pilot plant
0680 195 Selecting fines recycle methods to optimize fluid bed combustor performance
1177 17 The gas turbine HTGR plant with a binary cycle
- GENERAL COMMUNITION INC., DON MILLS, ONTARIO
0681 191 Grinding of coal slurries with the Szego mill
- GENERAL ELECTRIC COMPANY, BRUCETON, PENNSYLVANIA
0678 177 Operation and maintenance of DOE/PETC two-stage MHD pressurized coal combustor. Annual activity report, July 1977 - July 1978
- GENERAL ELECTRIC COMPANY, HOUSTON, TEXAS
0478 164 Electrodrill system field test program, Interim phase - final report, January - April 1977

GENERAL ELECTRIC	COMPANY, KING OF PRUSSIA, PENNSYLVANIA
0679 156	High slag rejection, high carbon conversion rate, air cooled cyclone coal combustor for MHD regenerative heat exchangers
0679 162	Coupled generator and combustor performance calculations for potential early commercial MHD power plants
0679 167	Evaluation of technical feasibility of closed cycle non-equilibrium MHD power generation with direct coal firing, final report for April 1, 1976 - March 31, 1979
GENERAL ELECTRIC	COMPANY, PHILADELPHIA, PENNSYLVANIA
0378 49	Feasibility study of coal-slag based glasses for hot-gas clean-up. Final report of Phase 1, April 1977 - April 1978
0676 38	CDIF instrumented test section - final report
0676 38	CDIF-MHD generator system conceptual design - final report. Section 1, Analysis
0678 75	MHD-ETF program final report, Volume 1, Executive summary
0678 153	MHD-ETF program final report, Volume 4B, Appendices A04 - A08, January 1977 - March 1978
0678 168	MHD-ETF program final report, Volume 2A - Parts 1 and 2, Reference design description, January 1977 - March 1978
0678 169	MHD-ETF program final report, Volume 3, Program implementation, January 1977 - March 1978
0678 175	MHD-ETF program final report, Volume 4E, Appendices A26 - A28, January 1977 - March 1978
0678 176	MHD-ETF program final report, Volume 4D, Appendices A17 - A25, January 1977 - March 1978
0678 191	MHD-ETF program final report, Volume IIB - Parts 3, 4 and 5, Reference design description
0678 209	MHD-ETF program final report, Volume 4A, Appendices A01 - A03, January 1977 - March 1978
0678 235	Cyclone and fluidized-bed combustion concepts for coal-fired open-cycle-MHD
0679 87	Design and calculated performance and cost of the ECAS phase II open-cycle MHD power-generation-system
GENERAL ELECTRIC	COMPANY, SAN JOSE, CALIFORNIA
0179 237	Development of thick plate pressure-vessel-steel for coal-gasifiers
GENERAL ELECTRIC	COMPANY, SANTA BARBARA, CALIFORNIA
0480 161	Groundwater quality monitoring of western coal strip mining: preliminary designs for active mine sources of pollution
0580 119	Groundwater quality monitoring of western coal strip mining: preliminary designs for reclaimed mine sources of pollution
GENERAL ELECTRIC	COMPANY, SCHENECTADY, NEW YORK
0175 13	High Pressure gasifier and sulfur removal from coal
0177 16	High-temperature technology program, Reference turbine subsystem designs (Primary and Backup concepts). Topical Report
0177 123	Pressurized feeding on the Gegas system
0177 228	Overall plant design description (OPDD) coal-derived liquid electrical power-plant. Topical report
0177 229	Low-Btu fuel combined-cycle reference design. Topical report
0177 252	Overall plant design description (OPDD) low-Btu CO gas electric-power-plant. Topical report
0178 318	High temperature gas-turbine engine component materials testing program. Task 1. Annual report for 1977
0179 150	Fixed-bed gasifier dynamic model for IGCCP control study
0179 264	Coal derived fuel-STAG
0180 8	Catalytic effects of alkaline earth carbonates in the carbon carbon-dioxide reaction
0180 46	Gasification of Illinois No. 6 coal in an advanced fixed-bed gasifier
0180 88	High-temperature turbine technology program low-Btu gas, low-temperature, chemical cleanup pilot-plant: Design, construction, startup and operation
0180 115	Global model of countercurrent coal gasifiers
0180 153	Texaco-based gasification-combined-cycle system performance studies
0180 251	Development of molten carbonate fuel cells for power generation
0180 288	Control strategy for gasification combined-cycle power plants
0180 289	Coal-derived fuel flexibility for today's combined cycles
0180 291	Hot corrosion/erosion testing of materials for applications for advanced power conversion systems using coal-derived fuels - Fineside II - Evaluation of turbine materials for use in a coal-fired fluidized bed combustion environment
0181 4	Performance of air-cooled power plants using gas from coal, final report

0181	191	Coal gasification and power generation
0181	207	Moving-bed gasification-combined-cycle control study - Volume 1: Results and Conclusions, Case 1 - Air-blown dry-ash operation - Final Report
0181	210	The catalyzed graphite-water vapor reaction - Isotopic studies using barium carbonate (carbon-13)
0181	233	The coal water coal gasification combined-cycle project
0181	238	Development of the coal fired combined cycle & gas turbine cycle for power generation
0181	245	Transient model of a moving-bed gasifier
0181	259	Coal gasification combined cycle power generation simulation
0278	96	Magnetic and Moessbauer spectroscopic characterization of coal
0278	199	High temperature gas turbine engine component materials testing program, task 1, 'Fireside 1', final report.
0279	102	Enhancement of magnetic separability in coal liquefaction residual solids
0281	51	Distribution of coal heating value during the fluidized-bed pyrolysis of coal in the presence of dolomitic stones
0282	39	Magnetic separation and thermo-magneto-chemical properties of coal liquefaction mineral particulates
0478	180	A vibration sensor for horizon control in automated longwall mining, Final technical report
0478	247	Evaluation of a flywheel-powered shuttle car, Final technical report
0580	160	A transient sulfur capture model for a fluidized bed combustor
0677	46	Coal fired combined-cycle for electric-power generation
0677	99	Part 1: Formation and removal of residual fuel ash deposits in gas-turbines formed at firing temperatures below 982-degrees-C (1800-degrees-F)
0677	100	Part 11: Formation and removal of residual fuel ash deposits in gas-turbines formed at firing temperatures above 982-degrees-C (1800-degrees-F)
0677	144	High temperature gas-turbine engine component materials testing program, Task 1, Annual report for 1976
0677	167	The investigation of corrosion performance of boiler and turbine alloys in fluidized-bed combustion systems
0677	186	Coal-fired combined-cycle development program
0677	230	Development of high-temperature turbine subsystem technology to a technology readiness status, Phase I
0678	64	Implications of utilizing synthetic-fuels in combined cycles
0678	112	Flow regimes and void fraction distribution in gas fluidization of large particles in beds without tube banks
0678	113	Large particle fluidization and heat-transfer at high pressures
0678	146	CFCC development program, Combustion chemistry evaluation (Task 4.4)
0678	147	CFCC development program, Advanced clean-up hardware performance guidelines for commercial-plant (Task 4.1.2)
0678	148	CFCC development program, Preliminary turbine materials evaluation for commercial-plant (Task 3)
0678	149	CFCC development program, Commercial plant hot gas shrouded ducting evaluation (Task 2.2)
0678	151	CFCC development program, Hot-gas clean-up efflux characterization for commercial-plant (Task 4.1.1)
0678	152	CFCC development program, Commercial-plant definition (Task 1.2)
0678	187	CFCC development program commercial plant reliability and maintainability evaluation (task 1.4)
0678	198	CFCC development program commercial plant stacked combustor/steam generator design evaluation
0678	205	CFCC development program - materials evaluation and specifications for commercial plant hot gas clean-up
0678	210	CFCC development program, Annual progress report for July 1976 - June 1977
0679	182	Development of molten carbonate fuel cells for power generation - Final Report, August 1977-December 1979
0680	54	Two-phase flow and heat transfer in fluidized beds
0680	64	Engineering development of molten carbonate fuel cell power-plants
0680	93	Materials problems in fluidized-bed combustion systems - Review of the information on gas turbine materials in coal combustion environments
0680	152	Technical planning study - Pressurized fluidized-bed combustion
0680	154	PFB coal fired combined cycle development program - Commercial plant requirements definition update (Task 1.1)
0680	159	PFB coal fired combined cycle development program, gas turbine materials evaluation report
0681	98	Advances in pressurized fluidized bed steam cycle technology
0882	47	Application of the electronically controlled synchronous motor to slurry pipeline pumping
1079	254	Moessbauer effect spectroscopic study of pyritic sulfur in coal
1081	80	Space filling models for coal: a molecular description of coal plasticity
1081	103	X-ray absorption spectroscopic investigation of trace vanadium sites in coal
1081	214	Moessbauer spectroscopy for pyrite analysis in coal
1082	44	Review: Infrared Spectrometry
1177	11	An econometric analysis of energy over the next 75 years
1179	41	Effect of environmental regulations on the General Electric research and development program for combustion turbines using coal-derived fuels

- GENERAL KINEMATICS CORPORATION, BARRINGTON, ILLINOIS
0381 60 Vibrating feeders aid bulk handling
- GENERAL MINING & FINANCE CORP., JOHANNESBURG, SOUTH AFRICA
0380 96 Treating uraniferous coals
0480 7 Experience in longwall mining at Coalbrook collieries
0580 181 Interesting features of a coal dump-ash dam at Kilbarchan colliery
- GENERAL MOTORS CORPORATION, WARREN, MICHIGAN
0277 65 Final Report of the General Motors Corporation powdered coal-oil mixtures (COM) program March 1975 - July 1977
0680 45 An analytical model for the combustion of coal particles
0877 11 Coal transportation study, Final report
- GEOLOGICAL ASSOCIATION OF CANADA, TORONTO, ONTARIO
0778 36 Geology of carboniferous coal deposits in Nova-Scotia
- GEOLOGICAL RESEARCH GROUP, LOS ALAMOS, NEW MEXICO
1078 170 A review of organic sulfur analysis in coal and a new procedure
- GEOLOGICAL SURVEY OF ALABAMA, UNIVERSITY, ALABAMA
0478 159 Remote sensing of strippable coal reserves and mine inventory in part of the Warrior coal field in Alabama
- GEOLOGICAL SURVEY OF CANADA, CALGARY, ALBERTA
0781 24 Influence of petrographic composition on the free-swelling index of coal and on its use as a weathering parameter
- GEOLOGICAL SURVEY OF INDIA, CALCUTTA, INDIA
1078 118 Markov chain analysis of a coal seam
1081 236 A method of estimating ash content of coal from combined resistivity and gamma-ray logs
- GEOLOGICAL SURVEY OF ISRAEL, JERUSALEM, ISRAEL
1080 147 Corrections to calorific values of lignites of the Hula Basin, Israel, for contained CaCO₃
- GEOLOGICAL SURVEY OF WYOMING, LARAMIE, WYOMING
0780 33 Tertiary coal deposits of the Hanna and Carbon Basins, Wyoming
- GEOLOGICAL SURVEY, WASHINGTON, DISTRICT OF COLUMBIA
1082 80 Chemical analyses and physical properties of 12 coal samples from the Pocahontas Field, Tazewell County, Virginia, and McDowell County, West Virginia
- GEOLOGISCHES LANDESAMT NORDRHEIN WESTFALEN, KREFELD, GERMANY
0774 3 Entstehung und Veränderung bituminöser Substanzen in Kohlen in Beziehung zur Entstehung und Umwandlung des Erdöls
0780 13 Composition of soluble organic matter in coals: relation to rank and liptinite fluorescence
- GEOPHYSICAL CORPORATION OF AMERICA, BEDFORD, MASSACHUSETTS
0679 105 A model for coal fly-ash filtration
- GEORGE WASHINGTON UNIVERSITY, WASHINGTON, DISTRICT OF COLUMBIA
0580 124 A proposed model for predicting trace metal composition of fly-ash leachates
0780 38 Geology of the middle Pennsylvanian Stockton-Lewiston coal seam and associated clastic rocks in West Virginia - dissertation

GEORGETOWN UNIVERSITY, WASHINGTON, DISTRICT OF COLUMBIA

- 0677 185 Georgetown University atmospheric fluidized-bed presentation
- 0678 80 Industrial application of fluidized-bed combustion, saturated steam boiler
- 0680 145 Industrial application of fluidized-bed combustion - Quarterly Technical Progress Report, for the period October-December, 1980
- 0680 169 Industrial application of fluidized-bed combustion - Quarterly technical progress report for the period January-March, 1980

GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, GEORGIA

- 0181 244 Anaerobic activated carbon filter for the treatment of phenol-bearing wastewater

GEORGIA STATE UNIVERSITY, ATLANTA, GEORGIA

- 0580 15 Trace-element inputs from a coal burning power plant to adjacent terrestrial and aquatic environments

GERAGHTY & MILLER, INC., ANNAPOLIS, MARYLAND

- 0580 115 Effects of underground coal mining on ground water in the Eastern United-States

GERMAN CREEK COAL PTY LTD., BRISBANE, QUEENSLAND

- 0481 158 The Australian coal industry - looking to the future

GESELLSCHAFT FÜR KOHLI TECHNOLOGIE MB H. ESSEN, WEST GERMANY

- 0182 12 Entrained-bed gasification

GETTY REFINING AND MARKETING COMPANY, DELAWARE CITY, DELAWARE

- 0682 37 The Wellman-Lord SO₂/2 recovery process

GEWERKSCHAFT EISENHUETTE WESTFALIA MASCHINENFABR, LUENEN, GERMANY

- 0479 153 Longwall winning and conveying equipment and roof support

GIBBS & HILL INC., NEW YORK, NEW YORK

- 0181 100 Technical considerations in switching to gas derived from coal in utility boilers
- 0380 3 Economic penalties attributable to ash content of steam coals
- 0580 29 Flue-gas desulfurization sludge disposal practices for coal-fired steam and power-plants

GILBERT ASSOCIATES, INC., READING, PENNSYLVANIA

- 0176 112 Gas cleanup systems for application to the MERC stirred/fixed-bed gasifier. Preliminary assessment and process evaluation
- 0180 315 Coal gasification plants for the pulp and paper industry
- 0376 17 Feasibility of reducing fuel gas clean-up needs. Phase-1. Survey of the effect of gasification process conditions on the entrainment of impurities in the fuel gas
- 1181 14 Foreign coal liquefaction technology survey and assessment

GILBERT/COMMONWEALTH, JACKSON, MICHIGAN

- 0679 85 Emission control for industrial coal-fired boilers. Part 1
- 0679 117 Emission control for industrial coal-fired boilers. Part-2
- 0680 221 Baghouse installation on pulverized coal-fired boilers burning low-sulfur eastern coals at Michigan State University

GILBERT/COMMONWEALTH, JACKSON, MISSOURI

- 0882 12 Linear routing methodologies to locate slurry pipelines

GILBERT/COMMONWEALTH, READING, PENNSYLVANIA

- 0177 111 Fixed-bed coal gasification for production of industrial fuel-gas
- 0177 187 Fixed-bed coal gasification for production of industrial fuel-gas
- 0177 261 Fuel gas cleanup technology for coal gasification
- 0180 287 Retrofit of oil and gas-fired generating plants - an analysis of alternative strategies
- 0279 91 Converting coal to liquid/gaseous fuels

CORPORATE AUTHOR INDEX

- 0677 218 Particulate control for pressurized, fluidized-bed combustion
- 0677 262 Evaluation of corrosion rates and metallurgical stability of boiler components, 30 MW multistage fluidized-bed boiler at Rivesville, West Virginia, Executive Summary
- 0679 200 Oxygen enrichment for open cycle magnetohydrodynamic power systems
- 0680 187 Near term commercialization of MHD power generation using coal/oil fuel
- 0680 223 Bunkers or silos for in-plant coal storage - a cost comparison
- 0681 42 Application of reliability techniques to mature, near-term and future coal utilization technologies

- GOLD FIELDS OF SOUTH AFRICA LIMITED, JOHANNESBURG, SOUTH AFRICA
 - 0480 2 Improved extraction of coal

- GOLDER ASSOCIATES LTD., ATLANTA, GEORGIA
 - 0479 262 Design of coal slurry impoundments and the impact of MESA legislation

- GOLDER ASSOCIATES LTD., CALGARY, ALBERTA
 - 0479 261 Waste dump instability and its operational impact for a Canadian Plains lignite mine

- GOLDER ASSOCIATES LTD., TORONTO, ONTARIO
 - 0879 8 Geotechnical aspects of Thunder-Bay terminals

- GOLDER ASSOCIATES LTD., VANCOUVER, BRITISH COLUMBIA
 - 0479 255 The use of movement monitoring to minimize production losses due to pit slope failures
 - 0479 257 Performance of a waste rock dump on moderate to steeply sloping foundations

- GOSUDARSTVENNY NAUCHNO ISSLEDOVATELSKY ENERGETICHESKY INSTITUT IMENI G.M. KRZHIZHANOVSKOGO, USSR
 - 0280 132 Method for heat processing of pulverized brown-coal

- GOVERNMENT COLLEGE, LAHORE, PAKISTAN
 - 0179 220 Gasification of coal

- GOVERNMENT INDUSTRIAL DEVELOPMENT LABORATORY, HOKKAIDO, SAPPORO, JAPAN
 - 0179 343 Low-btu coal char gasification by a pressurized two-stage fluidized bed - Sunshine project
 - 0181 23 Coal char gasification in a two-stage pressurized fluidized bed
 - 0276 89 Mechanism of high-pressure hydrogenolysis of Hokkaido coals (Japan). 1. Simulation of product distributions
 - 0277 145 The effect of hydrogen pressure on the hydrogenation reaction of coal
 - 0279 41 Nature of Athabasca Tar-Sand (Canada) and tar-sand derivatives. A comparison with coal-hydrogenolysis products
 - 0279 151 Hydrogenation reactivity of petrographic composition of coal
 - 0279 162 Studies on coal hydrogenation reaction using high pressure differential thermal analysis
 - 0280 347 Effect of coal particle size on the coal hydrogenation reaction - in relation to the plasticity of coal
 - 0281 226 Application to field-ionization and field-desorption mass spectrometry to the analysis of coal-derived oil
 - 0282 118 Determination of field ionization relative ion sensitivities in mass spectrometry of coal-derived oil components
 - 0282 185 Elucidation of structural and hydroliquefaction characteristics of Yallourn brown coal by carbon-13 CP/MAS nmr spectrometry
 - 0680 85 Experimental study of low-NO_x fluidized-bed combustor development - 2. Performance of two-stage fluidized-bed combustion
 - 0680 107 An experimental study for low-NO_x fluidized-bed coal combustor development. 1. Combustion under stoichiometric conditions
 - 1079 28 Field desorption mass spectrum of coal-derived liquid

- GOVERNMENT INDUSTRIAL RESEARCH INSTITUTE, KYUSHU, JAPAN
 - 0281 234 Solvolysis liquefaction of coal

- GOVERNMENT OF THE PROVINCE OF MANITOBA, WINNIPEG, MANITOBA
 - 1155 0 Prospects for development in Manitoba. A submission presented to the Royal Commission on Canada's Economic Prospects, by the Government of the Province of Manitoba

GOVERNORS STATE UNIVERSITY, PARK FOREST SOUTH, ILLINOIS

- 1079 89 Incorporation of elemental sulfur in coal as organic sulfur
 1079 90 Hydrogen-sulfide incorporation in coal precursors: Origins of organic-sulfur in coal

GRAND FORKS ENERGY TECHNOLOGY CENTER, GRAND FORKS, NORTH DAKOTA

- 0177 223 Design and operation of two refractory-lined, internally heated, entrained-bed carbonizers
 0178 154 Carbonization reactions in the Grand-Forks fixed-bed slagging gasifier
 0179 330 Current research on the inorganic constituents in North Dakota lignites and some effects on utilization
 0180 236 Effect of operating conditions on production of light hydrocarbon gases in slagging fixed-bed coal gasification
 0278 224 CO-steam process: Functional group analysis of non-distillables in lignite-derived liquids
 0280 334 Ion pair liquid chromatography of coal-derived light oils
 0281 0 Process chemistry of direct liquefaction of lignite with hydrogen and carbon-monoxide
 0282 52 Low-rank coal liquefaction employing H₂/2S as a homogeneous catalyst
 0282 69 The liquefaction behavior of a Canadian subbituminous coal in comparison to that of several U.S. lignites and subbituminous coals
 0282 75 Nuclear magnetic resonance characterization of low-rank coal liquefaction light oils
 0282 88 The role of solvent in direct-liquefaction of low-rank coal
 0282 117 Determination of low-rank coal liquefaction light oils by chromatography and nuclear magnetic resonance spectrometry
 0379 128 Removal of sodium from lignite by ion exchanging with calcium chloride solutions
 0381 109 Beneficiation of lignite by sodium removal using ion exchange
 0578 112 Evaluation of methods for determination of sulfide in slagging fixed-bed coal gasification wastewater
 0677 86 Ash fouling studies of low rank western United-States coals
 0677 158 Effects of operating parameters on the sulfur retention on alkaline ash during fluidized-bed combustion of a North-Dakota Lignite
 0681 86 The petrochemistry of coal ash slags. Part 3. Behaviour of the rosebud slag-limestone system
 0681 114 Performance characteristics of low-rank coals in atmospheric fluidized bed combustion
 0876 7 Experiences in transportation of dried low-rank western coals
 1077 55 Temperature effects on coal liquefaction: Rates of depolymerization and product quality as determined by gel-permeation-chromatography
 1078 101 Effect of charge preheat on the physical quality of coke from three western coals
 1078 127 Analysis of solvent-refined-coal, recycle solvents, and coal liquefaction products

GRC EXPLORATION COMPANY, ARVADA, COLORADO

- 0780 28 Igneous intrusion of steeply dipping Eocene coals near Ashford, Pierce County, Washington

GREEN & BINGHAM LTD., DONCASTER, UNITED KINGDOM

- 0479 208 Design of cutting elements for dust reduction on longwall faces

GREEN COAL COMPANY, OWENSBORO, KENTUCKY

- 0479 211 Obtaining maximum benefits from pre-blasting surveys

GREENFIELD, ATTAWAY & TYLER, INC., SAN RAFAEL, CALIFORNIA

- 0576 34 Environmental research to support the development of fossil energy technology options. Final report

GULF AND WESTERN, ADVANCED DEVELOPMENT AND ENGINEERING CENTER, SWARTHMORE, PENNSYLVANIA

- 0177 265 Feasibility study of molecular grafting to solubilize coal
 0379 62 Fuel extension by dispersion of clean coal in oil, final report. Phase 1. Laboratory feasibility study
 0881 34 Valve design for slurry systems.

GULF CANADA LIMITED, TORONTO, ONTARIO

- 0282 77 Coal Research Programs at Gulf Canada Limited, Research & Development Department

GULF CANADA RESOURCES INC., CALGARY, ALBERTA	
1181 29	Managing Canada's coal resources
GULF MINERAL RESOURCES COMPANY, DENVER, COLORADO	
0277 29	The SRC-II Process
0278 175	Fuels from coal by SRC-II processing
0279 123	Liquid and solid fuels by recycle SRC
0280 151	Economic and market potential for SRC-II products
GULF RESEARCH AND DEVELOPMENT COMPANY, PITTSBURGH, PENNSYLVANIA	
0175 33	An evaluation in In-situ coal gasification
0177 245	Research and development of an advanced process for conversion of coal to synthetic gasoline and other distillate motor fuels, Annual Report, June 1976 - May 1977
0178 177	Research and development of an advanced process for conversion of coal to synthetic gasoline and other distillate motor fuels, Annual report, June 1977 - May 1978
0178 240	Underground gasification for steeply dipping coal beds, Phase 1 report: Appendix C. Parametric cost estimate, September 1977 - February 1978
0178 246	Underground gasification for steeply dipping coal beds, Phase 1 Report: Appendix B. Environmental Analysis, September 1977 - February 1978
0178 247	Underground gasification for steeply dipping coal beds, Phase 1 report: Appendix A. Site selection, September 1977 - February 1978
0178 259	Underground gasification for steeply dipping coal beds, Phase 1 report: Feasibility study and program plan, September 1977 - February 1978
0179 97	Helium tracer studies to characterize underground flow paths
0179 111	Underground coal gasification: From research to commerce
0180 74	Underground coal gasification: From research to commercialization
0180 163	Chemicals from coal
0181 16	Status and test plan for the gasification of steeply dipping coal beds - Rawlins II
0181 17	Rawlins test #1 cavity definition study
0181 22	Unique UCG gas cleanup studies with Rawlins II as a model
0181 32	Free radicals in coals and coal conversion. 3. Investigation of the free radicals of selected macerals upon pyrolysis
0182 94	Prospects for laboratory simulation of UCG system phenomena
0182 98	Rawlins test 2 data analysis
0182 99	UCG test facility design criteria and evaluation
0182 100	Gas cleanup designs for underground coal gasification
0182 101	Rawlins UCG test 2 reactor growth
0182 102	Status of the Rawlins UCG-SDB program
0182 103	Economic comparison for UCG processes
0182 104	Subsurface detection of retort gases from an underground coal gasification reactor in steeply dipping beds near Rawlins, Wyoming
0182 105	UCG-SDB, where do we go from here?
0182 106	Effect of UCG on groundwater: a study of cavity and surrounding groundwater
0277 100	Investigation of mechanisms of hydrogen-transfer in coal hydrogenation, Annual Progress Report, July 1976 - June 1977
0277 129	Process for increasing the fuel yield of coal liquefaction products by extraction asphaltenes, resins and aromatic compounds from said coal liquefaction products
0278 72	Kinetics of catalytic liquefaction of Big-Horn-coal
0278 74	An ESR investigation of free radicals in coals and in coal conversions
0278 105	Application of carbon-13 nuclear-magnetic-resonance spectrometry to coal chemistry: Calculation of transferable hydrogen
0278 171	Method for separating solids from coal liquids
0278 181	Asphaltene adsorption in solution and catalyst characterization
0278 205	Investigation of mechanisms of hydrogen transfer in coal hydrogenation, phase 1, final report, July, 1976 - December 1977
0279 43	E.S.R. investigation of free radicals in solvent-refined-coal materials
0279 67	Characterization of coal liquefaction catalysts using 1-methyl-naphthalene as a model compound

CORPORATE AUTHOR INDEX

0279	81	Isomerization and adduction of hydrogen-donor solvents under conditions of coal liquefaction
0279	82	Alternate fuels can damage health
0279	93	Mechanism and kinetics of selected hydrogen transfer reactions typical of coal liquefaction
0279	97	Oxygen, nitrogen, and sulfur removal reactions in donor-solvent coal liquefaction
0279	110	Effect of solvent extraction sequence on the apparent distribution of coal liquid products
0280	13	Free radicals in coals and coal conversion 2. Effect of liquefaction processing conditions on the formation and quenching of coal free radicals
0280	15	Free radicals in coals and coal conversion
0280	19	Structural characterization of filter cake solids from a solvent-refined coal process (SRC-I)
0280	104	Dependence of coal liquefaction behaviour on coal characteristics. 5. Data from a continuous flow reactor
0280	113	Coal liquefaction catalysts
0280	122	Coal liquefaction process employing multiple recycle streams
0280	129	Research and development of an advanced process for conversion of coal to sythetic gasoline and other distillate motor fuels, final report
0280	160	Novel fuel compositions comprising upgraded solid and/or semi-solid material prepared from coal
0280	172	Make petrochemical feedstocks with coal liquefaction
0280	185	SRC-II is a promising petrochem feedstock source
0280	283	Process for recovering phenols from a hydrocarbon mixture containing the same
0280	345	Investigations of mechanisms of hydrogen transfer in coal hydrogenation - Final Report
0280	351	Investigation of the liquefaction of partially dried and oxidized coals
0280	352	Methyl aryl ethers from coal liquids as gasoline extenders and octane improvers
0281	4	Formation and behavior of coal free radicals in pyrolysis and liquefaction conditions
0281	41	Free radicals in coals and coal conversion. 4. Investigation of the free radicals in selected macerals upon liquefaction
0281	95	Free radicals in coal and coal conversions. 5. Methodology for the in-situ investigation of free radicals in coal depolymerization under SRC-II preheater/reactor conditions
0281	96	Free radicals in coal and coal conversions. 6. Effects of liquefaction process variables on the in-situ observation of free radicals
0281	292	Filtering coal liquids: Hydrogenation of distillate feedstocks
0281	297	A steady-state study of Fischer-Tropsch product distributions over cobalt, iron and ruthenium
0281	317	Electron spin resonance (ESR) characterization of coal and coal conversions
0281	355	Chemicals from coal
0282	5	Free radicals in coal and coal conversions. 7. An in-depth experimental investigation and statistical correlative model of the effects of residence time, temperature and solvents
0282	17	Kinetics of thermal liquefaction of coal
0282	33	Characterization of needle coke feedstocks by magnetic resonance spectroscopy
0282	54	Gasoline extenders/octane improvers from coal liquids
0282	124	SRC-II: A source of ethylene
0282	157	Hydrogen/deuterium transfer in coal liquefaction
0282	193	Coal liquefaction product gas analysis with an automated gas chromatograph
0380	158	Filtration of a coal liquid slurry using an alkylmethacrylate copolymer
0381	105	Difference in the behavior of 200 X O Kentucky No. 9 and Illinois No. 6 coals in surface controlled beneficiation
0678	133	Regeneration of sulfated dolomite by reductive decomposition with coal in a fluidized-bed-reactor
1077	37	Oxygen and oxygen functionalities in coal and coal liquids
1078	48	Catalytic synthesis of methanol from carbon monoxide/hydrogen gas
1080	90	Nitro-substituted polyaromatic polycarboxylic acid compositions and processes for their preparation from coal based materials
1080	91	Mixture of polycyclic aromatic polycarboxylic anhydrides carrying nuclear nitro groups, and their preparation
1082	22	Carbon-13 nuclear magnetic resonance characterization of coal macerals by magic-angle spinning
1082	65	Hydrogen transfer reactions of model compounds typical of coal

GULF SCIENCE AND TECHNOLOGY COMPANY, PITTSBURGH, PENNSYLVANIA

0281	194	Selected physical, chemical and thermodynamic properties of narrow boiling range coal liquids
0282	121	Liquefaction of coal by SRC-II process Part I: A new kinetic model
0282	122	Liquefaction of coal by SRC-II process Part II: Simulation of an SRC-II recycle system
0582	26	A sampling and analytical procedure for skin-contamination evaluation

- 1081 113 Association-dissociation problems in characterizing asphaltenes in coal liquids
- HACETTEPE UNIVERSITY, ANKARA, TURKEY
 0380 17 Determination of dominant macerals from some Turkish tertiary lignites by means of heavy-liquid separation - a case study
 0382 4 Sulfur removal from lignites by low-temperature carbonization
 1079 63 Pyridine extracts of solid fuels
 1079 67 Effect of mercury on depolymerization of coal
 1081 63 Depolymerization of Turkish lignites. 1. Effect of substituted phenols
 1081 64 Depolymerization of Turkish lignites. 2. Effect of phenol concentration in a closed system
- HÅLDOR TOPSOE RESEARCH LABORATORIES, LYNGBY, DENMARK
 0180 237 Catalytic aspects of high temperature methanation
- HALLIBURTON MANUFACTURING AND SERVICES LTD., MALVERN, AUSTRALIA
 0481 122 Coal seam degasification in Queensland utilising hydraulic fracturing with foam - A case history
- HANS AHLSTROM LABORATORY, KARHULA, FINLAND
 0680 70 High-sulfur fuel combustion in a circulating bed
- HARCOURT BUTLER TECHNOLOGY INSTITUTE, KANPUR, INDIA
 0179 246 Low temperature catalytic gasification of coal
- HARSHAW CHEMICAL COMPANY, BEACHWOOD, OHIO
 0278 82 Batch screening of coal liquefaction catalysts with a falling basket reactor
- HATCH ASSOCIATES LTD., TORONTO, ONTARIO
 0882 68 Environmental design considerations for belt conveyors
- HEALTH AND SAFETY ANALYSIS CENTER, DENVER, COLORADO
 0479 235 HSAC overview
- HEALTH AND SAFETY EXECUTIVE, SHEFFIELD, UNITED KINGDOM
 0479 147 Trials of the dust helmet in coal mines
- HELSINKI UNIVERSITY OF TECHNOLOGY, HELSINKI, FINLAND
 1082 14 Hydrogenolysis and hydrocracking of the carbon-oxygen bond. 2. Thermal cleavage of the carbon-oxygen bond in guaiacol
- HERCULES INCORPORATED, CUMBERLAND, MARYLAND
 0281 333 Safety analysis of the 1000-lb/day coal-liquefaction PDU
- HERIOT WATT UNIVERSITY, RICCCARTON, EDINBURGH, UNITED KINGDOM
 1080 72 Straight-chain alkyl chain lengths in petroleum asphaltenes
- HERMAN RESEARCH LABORATORY, VICTORIA, AUSTRALIA
 0677 95 Rational analysis of fireside deposits from brown-coal-fired boilers
 0677 103 An analysis of thermal fatigue crack growth in 2.25% Cr 1% Mo steel superheater tubes caused by on load water deslagging
 1079 31 Reporting of low-rank coal analysis - the distinction between minerals and inorganics
 1081 167 Moessbauer effect study of Victorian brown coal
- HIGHER INSTITUTE OF CHEMICAL TECHNOLOGY, SOFIA, BULGARIA
 0380 107 Process for thermal decomposition of phsophogypsum
 1080 106 Use of HPLC in fractionation of lignite humic substances

- HIGHER PETROLEUM INSTITUTE, TOBRUK, LIBYA
0282 165 Fluid dynamics on sieve trays
- HITACHI LTD., IBARAKI, JAPAN
0182 2 Effect of pre-oxidation on reactivity of chars in steam
- HITACHI LTD., TOKYO, JAPAN
0178 104 Effects of reaction conditions on gasification of coal-residual oil slurry
0180 132 Process and apparatus for purifying raw coal gas
0282 199 Apparatus for supplying raw liquid and relieving pressure of high-pressure produce liquid
- HITACHI SHIPBUILDING & ENGINEERING COMPANY, LTD., OSAKA, JAPAN
0881 46 Granulating Apparatus
- HITMAN ASSOCIATES, INC., COLUMBIA, MARYLAND
0474 0 Fuel and energy consumption in the coal industries
0575 1 Environmental effects, impacts and issues related to large scale coal refining complexes
0576 18 Coal preparation for conversion processes
0578 5 Environmental assessment of coal liquefaction
0578 104 Environmental assessment data base for coal liquefaction technology: Vol. I. Systems for 14 liquefaction processes
0578 105 Environmental assessment data base for coal-liquefaction technology: Vol. II. Synthoil, H-Coal, and Exxon Donor Solvent Processes
0580 8 Environmental assessment of the SRC liquefaction process
0679 132 Two coal combustion alternatives: Reducing pollution potentials
- HOFFMAN HOLT INC., SILVER SPRING, MARYLAND
0682 30 Effect of coal quality on maintenance costs at utility plants
- HOFFMAN MUNTNER CORPORATION, SILVER SPRING, MARYLAND
0376 8 Engineering/economic analyses of coal preparation with sulfur-dioxide cleanup processes for keeping higher sulfur coals in the energy market
0378 16 An engineering/economic analysis of coal preparation plant operation and cost
- HOKKAIDO UNIVERSITY, SAPPORO, JAPAN
0179 243 Gasification of coal char in a two-stage pressurized fluidized bed
0179 343 Low-btu coal char gasification by a pressurized two-stage fluidized bed - Sunshine project
0181 23 Coal char gasification in a two-stage pressurized fluidized bed
0181 35 Effect of pressure and temperature on the reaction of coal with alcohol-alkali
0182 16 Effect of SO_2/H_2 on catalytic activity of Fe//20//3 for hydrocracking of coal
0182 27 Influence of alkali on the carbonization process-II Carbonization of various coals and asphalt with NaOH
0182 57 Coal hydrogenolysis in the presence of NaOH
0279 41 Nature of Athabasca Tar-Sand (Canada) and tar-sand derivatives. A comparison with coal-hydrogenolysis products
0279 86 Pressure and temperature effect on the mean chemical structure of coal hydrogenolysis product
0279 175 Temperature dependence of NMR absorption in coal and pitch
0280 204 The catalytic desulfurization of organic sulfur compounds over zeolite catalysts
0280 207 Analysis of a coal-derived liquid using high-pressure liquid chromatography and pressure liquid chromatography and synchronous fluorescence spectrometry
0281 85 Combination of Carbon-13 and Proton-NMR spectroscopy for structural analysis of neutral, acidic and basic heteroatom compounds in products from coal hydrogenation
0281 107 Dissolution of coal with NaOH-alcohol: effect of alcohol species
0281 124 Effect of precarbonization temperature on liquefaction of lignites
0281 135 Reaction mechanism for the hydrogenolysis of coal-derived preasphaltene
0281 137 Solubility increase of coals by treatment with ethanol
0281 166 Reduction of coal with hexamethylphosphoramide-Na-t-BuOH
0281 226 Application to field-ionization and field-desorption mass spectrometry to the analysis of coal-derived oil
0282 11 Assessment of the activities of catalysts for the hydrocracking of coal by means of hydrogen evolution

- 0282 22 Superacid-catalyzed coal solubilization with olefin under relatively mild conditions
0282 25 Chemical structure of coal-derived oil. Structural changes of each compound type with severity of hydrogenation
- 0282 38 Coal liquefaction by the hydrogen produced from methanol
0282 118 Determination of field ionization relative ion sensitivities in mass spectrometry of coal-derived oil components
- 0678 115 Mixing and segregation of a small proportion of large particles in gas fluidized-beds of considerably smaller ones
- 1078 61 Aromaticity of coal extract by ¹H and ¹³C pulsed n.m.r. methods
1078 68 Nuclear-magnetic-relaxation studies of coal
1078 120 Studies of the structure of coal and coal hydrogenation process
1078 141 A cause of exothermic heat evolution in hydrogenolysis of coal
1078 188 Application of a single-cell high-pressure DTA technique to coal hydrogenation research
1079 50 High temperature proton NMR study of coal and pitch at the early stages of carbonization
1079 58 Spin-diffusion effects in spin-lattice relaxation in coals
1079 74 Structural analysis of Na/O/H - alcohol treated coals
1079 120 Activity tests of various catalysts for hydrocracking of coals by means of high pressure differential thermal analysis
- 1079 121 Quantitative-¹³C n.m.r. spectroscopy of a coal-derived oil and the assignment of chemical shifts
1079 129 Reaction mechanism of alkali-alcohol treatment of coal
1079 202 Effect of hydrogen pressure on the reaction of NaOH-alcohol-coal
1079 232 Structural analysis of quinoline extracts and hydrolysis products of coals
1080 15 Derivation of structural parameters for coal-derived oil by carbon-13 nuclear-magnetic-resonance spectrometry
1080 48 Average chemical structure of mild hydrogenolysis products of coals
1080 132 Reduction of coal in hexamethylphosphoramide-Na-t-BuOH and the molecular weight distribution of pyridine-soluble material
- 1080 222 Average chemical structure of mild hydrogenolysis products of coals
1081 60 Copolymerization of methylmethacrylate on a ball-milled surface of coal at 77 K
1081 70 Carbonization and liquid-crystal (mesophase) development. 19. Co-carbonization of oxidized coals with model organic compounds
- 1081 87 High-temperature Proton NMR study of oxidized coal
1081 161 Solubilities of Taiheiyo (Japan) coal in a series of alcohols
1081 164 Temperature dependence of hydrogen-1 NMR absorption in coal and pitch
- HOLLIS B. FENDER AND D. KEITH MURRAY, COLORADO GEOLOGICAL SURVEY
1079 2 Data accumulation on the methane potential of the coal beds of Colorado, Final Report
- HOLTHUIS B.V., THE NETHERLANDS
0881 33 The economics of positive displacement slurry pumps
- HOULLIERES DE PROVENCE, PROVENCE, FRANCE
0480 34 Tyre-mounted transport systems at the Houilleres de Provence
- HOWARD UNIVERSITY, WASHINGTON, DISTRICT OF COLUMBIA
0382 0 Ferromagnetic and superparamagnetic contamination in pulverized coal
1081 81 Electrolytic oxidation of anthracite
- HUDSON INSTITUTE, INC., NEW YORK, NEW YORK
0275 14 Issues relative to the development and commercialization of a coal-derived synthetic-liquids industry
0277 104 Issues relative to the development and commercialization of a coal-derived synthetic liquids industry. The role of synthetic liquids from coal in meeting future energy demand. Final report, January 1975 - December 1976
0277 105 Issues relative to the development and commercialization of a coal-derived synthetic liquids industry. Ownership Issues: alternative structures for creating a commercial coal liquefaction industry. Final report, January 1975 - December 1976
0277 106 Issues relative to the development and commercialization of a coal-derived synthetic liquids industry. Management Issues, Volume III-1, Environmental Considerations affecting the development of a coal liquefaction

- Industry. Final report, January 1975 - December 1976
 Issues relative to the development and commercialization of a coal-derived synthetic liquids industry.
 Management Issues. Volume III-2. Analysis of localized social impacts of coal liquefaction plants. Final report, January 1975 - December 1976
- 0277 107
 0379 104
 0380 51
- 0277 108
 0379 104
 0380 51
- 0277 109
 0379 104
 0380 51
- 0277 110
 0379 104
 0380 51
- 0277 111
 0379 104
 0380 51
- 0277 112
 0379 104
 0380 51
- HUMPHREYS & GLASGOW LTD., LONDON, UNITED KINGDOM
 0180 190
 Production of ammonia by the texaco coal gasification process
- HUMPHREYS ENGINEERING COMPANY, DENVER, COLORADO
 0379 104
 0380 51
 Using Humphreys spirals for recovery of minus 4 mesh coal
 Cleaning coal and refuse fines with the Humphreys Spiral Concentrator
- HUNGARIAN ACADEMY OF SCIENCES, BUDAPEST, HUNGARY
 1081 143
 Chromatographic fingerprinting of coal extracts
- HUNGARIAN OIL AND GAS RESEARCH INSTITUTE, VESZPREM, HUNGARY
 1081 76
 Determination of mercury of atomic-absorption spectrophotometry
- HYDROCARBON RESEARCH, INC., CATLETTSBURG, KENTUCKY
 0279 105
 Status and plans of H-coal pilot-plant
- HYDROCARBON RESEARCH, INC., LAWRENCEVILLE, NEW JERSEY
 0177 91
 0177 221
 0178 356
 0180 111
 0180 243
 0277 61
 0277 76
 0277 120
 0278 63
 0278 64
 0278 133
 0278 153
 H-Coal integrated pilot plant, Phase I - Final Report
 Development of a fast fluid-bed gasifier. Phase I-Tasks 1 and 2. Annual report, July 1976 - June 1977
 H-Coal products for direct application to power generation
 Integrated coal cleaning, liquefaction, and gasification process
 Fast fluid bed coal gasification in a process development unit
 H-coal integrated pilot-plant, Phase I - Final report
 The catalytic effect of active metals upon hydrodenitrogenation of heavy coal liquids
 H-coal integrated pilot plant, Phase-I: Final report, December 1973 - June 1976, Volume II
 Economics of the H-coal process
 Solvent-refining of Indiana-V-coal and North-Dakota-Ilignite
 Laboratory program to support H-coal pilot-plant operations. Bench-scale catalyst evaluation program
 Laboratory program to support H-Coal pilot plant operations. PDU run 6: Syncrude mode operation using Wyodak coal
- 0278 210
 0279 14
 0279 16
 0279 122
 0280 305
 0280 325
 0281 38
 0281 59
 0281 195
 0281 321
 Development and demonstration of the H-coal process
 Laboratory program to support H-coal pilot plant operations. Bench-scale tests on Kentucky No.-11 coal
 Laboratory program to support H-coal pilot plant operations. Low pressure-bench-scale operations.
 Critical instrumentation for the H-coal unit
 Current status of H-Coal commercialization
 H-coal processing of Kentucky No. 11 coal and 1980 status of H-coal
 Current status of H-coal commercialization
 Current status of H-coal commercialization
 Scaleup performance and thermal stability analysis of H-oil and H-coal ebullated-bed reactors
 Phase III laboratory support for H-coal project

- 0281 352 Hydrotreatment of COGAS pyrolysis oil via the H-oil process
 0282 73 Two stage liquefaction Illinois No. 6 Wyodak coals
 0378 57 Coal cleaning effects during H-coal catalytic liquefaction of a western Kentucky coal
 0381 18 Drying and passivating wet coals and lignite
 0579 110 Summary of gas stream control technology for major pollutants in raw industrial fuel gas
 0681 72 Combustible fuel composition
 0882 59 Coal-oil slurry pipeline process
- HYDROCARBON RESEARCH, INC., MORRISTOWN, NEW JERSEY
 0276 96 H-coal integrated pilot plant laboratory studies, Quarterly Progress Report January - March, 1976
 0276 97 H-coal integrated pilot plant laboratory studies, Quarterly Report for the period through September 30, 1976
- HYDROCARBON RESEARCH, INC., TRENTON, NEW JERSEY
 0268 1 Project H-Coal report on process development
 0277 50 Solvent-refining of West-Kentucky 9-14 coal
 0278 68 H-coal integrated pilot plant, Volume 1
 0278 69 H-coal integrated pilot plant, Volume 2
- I. M. GUBKIN MOSCOW INSTITUTE OF PETROCHEMICAL AND GAS INDUSTRY, MOSCOW, USSR
 0179 250 Reactivity of technical carbon
- IBM SCIENTIFIC CENTER, PALO ALTO, CALIFORNIA
 0179 138 Simulation of a moving-bed gasifier for a western coal
- ICF, INC., WASHINGTON, DISTRICT OF COLUMBIA
 0676 34 Electric utility coal consumption and generation trends, 1976-1985
- ICI AUSTRALIA LIMITED, MELBOURNE, AUSTRALIA
 0278 203 Chemicals from coal
- IDAHO NATIONAL ENGINEERING LABORATORY, IDAHO FALLS, IDAHO
 0180 141 The effect of four simulated coal gasifier atmospheres on the biaxial stress rupture behavior of four candidate coal gasifier alloys
- IEA COAL RESEARCH, LONDON, UNITED KINGDOM
 0179 130 Treatment of liquid effluents from coal gasification plants
 0180 213 The future supply of gas
 0479 54 Project Register 14-79: Equipment testing and application
 0479 55 Project Register 10-79: Strata Control
 0479 56 Project Register 2-79: Shaft sinking and driveage
 0482 37 Remote and automatic control of longwall mining
 0582 8 Carbon dioxide - emissions and effects
 0678 26 Alternatives for coal based power generation: An international overview
 0679 195 The economics of advanced technologies for electricity generation from coal
 0781 2 Geophysical examination of coal deposits
 0878 47 The long run economics of the ocean transport of coal
 0880 2 The future economics of coal transport
 0882 7 An overview of proposed coal slurry technologies and their cost-saving applications
 1081 61 Solvent extraction of coal
 1177 33 Economic and technical criteria for coal utilization plant. Part IV. Power generation
 1177 34 Economic and technical criteria for coal utilization plant. Part I. Economic and financial conventions
 1177 35 Economic and technical criteria for coal utilization plant. Part II. Gasification processes
 1177 36 Published plans and projections for coal production, trade and consumption
 1179 11 The supply of energy to industry. Volume I. Executive summary
 1179 12 The supply of energy to industry. Volume II. Main report
 1179 14 The economics of coal-based electricity generation
 1180 7 Inflation and the real cost of energy

1181 0 Coal calendar meetings and exhibitions

IERL, CINCINNATI, OHIO

0680 234 Demonstration d-rdf burn gsa pentagon power plant

IHC HOLLAND NV, THE NETHERLANDS

0881 27 Coarse coal systems for unloading ships and overland transport

ILLINOIS COAL GASIFICATION GROUP, CHICAGO, ILLINOIS

0177 202 The future of coal gasification in Illinois - The utilities point of view

0178 288 Pipeline gas demonstration plant - Phase I. Annual technical progress report for June 1977 - May 1978

0179 51 Pipeline gas demonstration plant. Phase I. Annual technical progress report, June 1978 - May 1979

0179 252 The ICGG approach - what is it

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS

0173 39 The reaction of atomic hydrogen with carbon

0176 41 IITRI experiments with molten-iron coal gasification

0178 198 Coal gasification studies. Part I. Single stage complete gasification of coal using water as the hydrogen source

0179 164 Synthesis of thermosetting polymers from the by-products of coal conversion processes

0179 231 Coal gasification studies

0180 181 Experimental and theoretical investigations of the Fischer-Tropsch synthesis reactions on supported ruthenium catalysts - dissertation

0180 302 Solids circulation around a jet in a fluidized bed gasifier Final technical report for period September 1, 1978 - September 30, 1980

0276 69 Utilization of coal conversion process by-products. Annual report, June 1975 - June 1976

0278 135 The utilization of coal conversion process by-products. Final Report, June 1974 - Sept. 1977

0281 330 Separation of particles from coal derived liquids via surface charge properties

0578 52 Impact of mine drainage on a mountain stream in Pennsylvania

0580 103 Microscopical analysis of aerosols collected in St. Louis, Missouri

0582 6 The IIT flue gas desulfurization process

0675 16 Technological problems of burning low-sulphur western-coal

0679 95 Evaluation of performance data from fabric filter collectors on coal-fired boilers

1080 18 Coal reduction studies

1177 10 Putting alternative sources of energy into perspective

ILLINOIS NATURAL HISTORY SURVEY, CHAMPAIGN, ILLINOIS

0580 182 Chemical and biological characterization of leachates from coal solid wastes

ILLINOIS POWER COMPANY, DECATUR, ILLINOIS

0180 287 Retrofit of oil and gas-fired generating plants - an analysis of alternative strategies

ILLINOIS POWER COMPANY, HAVANA, ILLINOIS

0680 140 Coal-fired cycling operation at Illinois Power's Havana Station

ILLINOIS STATE GEOLOGICAL SURVEY, CHAMPAIGN, ILLINOIS

0580 182 Chemical and biological characterization of leachates from coal solid wastes

0681 38 Coal fly ash: a review of the literature and proposed classification system with emphasis on environmental impacts

0782 10 Coal

1081 197 Removal of organic sulfur by low-temperature carbonization of Illinois coals

ILLINOIS STATE GEOLOGICAL SURVEY, URBANA, ILLINOIS

0279 47 Calibration standard for x-ray-diffraction analyses of coal liquefaction residues: Moessbauer spectra of synthetic pyrrhotite

0279 190 Chemical and mineralogical characterization of coal liquefaction residues

0377 38 The determination of forms of sulfur in coal and related materials

- 0478 124 Reserves and resources of surface-minable coal in Illinois
0677 81 An introduction to the occurrence of mineral matter in coal
0781 19 Abundance of trace and minor elements in organic and mineral fractions of coal
0781 21 Determination of kaolinite in coal by infrared spectroscopy - a comment
1073 5 Mineral matter and trace-elements in coal
1073 7 Trace-elements in coal by optical-emission-spectroscopy
1073 10 X-ray fluorescence analysis of whole coal
1073 12 Trace-elements in coal by neutron activation analysis with radiochemical separations
- ILLINOIS STATE UNIVERSITY, NORMAL, ILLINOIS
0681 27 New observations on the aqueous sodium dichromate oxidation of bituminous and lignite coals
1080 26 Study of the reaction of Maleic-anhydride with Illinois bituminous coal
1081 56 Carbonylation studies with Illinois No. 6 bituminous coal
- IMCO SERVICES, NEW ORLEANS, UNITED STATES
0580 34 Better methods detect and treat carbonate drilling mud problems
- IMPERIAL CHEMICAL INDUSTRIES LTD., BILLINGHAM, CLEVELAND
0180 4 Catalysts in coal-based ammonia plants
- IMPERIAL CHEMICAL INDUSTRIES LTD., LONDON, UNITED KINGDOM
0182 71 Synthesis for producing carbon compounds from a carbon oxide/hydrogen synthesis gas
- IMPERIAL COLLEGE, LONDON, UNITED KINGDOM
0279 60 Hydroprocessing of a model feedstock on a nickel-molybdenum coal-hydrogenation catalyst
0281 88 Activity of Ni-Mo catalysts for hydroprocessing coal-derived liquids
0281 211 Studies of the pyrolysis of hydrocarbons in a large pilot scale reactor
0281 312 Preparation, sulphidation and activity of Ni-Mo-alumina coal conversion catalysts
0680 216 A prediction method for coal-fired furnaces
0681 101 A laboratory study of the thermal behaviour of coal minerals
1079 98 Study of nickel-molybdate coal-hydrogenation catalysts using model feedstocks
- IN SITU TECHNOLOGY, INC., DENVER, COLORADO
0181 62 Generating electricity from coal in situ
1077 102 Recovering uranium from coal in-situ
- INCO RESEARCH & DEVELOPMENT CENTER INC., SUFFERN, NEW YORK
0180 39 Characterization of high temperature gaseous environments
0180 64 Development of a corrosion resistant nickel-chromium-titanium filler metal
- INDIAN INSTITUTE OF MANAGEMENT, AHMEDABAD, INDIA
1181 46 Energy policy and planning in India
- INDIAN INSTITUTE OF PETROLEUM, DEHRA DUN, INDIA
1080 64 Interfacial activity of vanadium and nickel porphyrin concentrates from darius crude
- INDIAN INSTITUTE OF SCIENCE, BANGALORE, INDIA
0682 35 Analysis of a filter bag reactor for gaseous pollution abatement
0682 42 Thermal decomposition and ignition of coal
1081 65 New method of calculating calorific values from elemental compositions of fossil fuels
- INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY, INDIA
0180 157 Thermodynamics of coal gasification with steam and oxygen
1080 124 Effect of weathering on caking and coking properties of coal

- INDIAN INSTITUTE OF TECHNOLOGY, KANPUR, INDIA
0581 50 Inorganic mercury-bituminous coal sorption interaction in water
- INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR, INDIA
0179 245 Performance of an autothermal gasifier for the production of synthesis gas
0182 43 Pressure drop in partially fluidized liquid-solid systems
0379 45 Correlation of size and effective separation density in coal washing using heavy media
0682 26 Mathematical model of concentration distribution of a pulverized coal jet in a horizontal combustion chamber
1079 166 Ion-exchanged zeolite X catalysts in residuum hydrocracking
- INDIAN INSTITUTE OF TECHNOLOGY, NEW DELHI, INDIA
0682 35 Analysis of a filter bag reactor for gaseous pollution abatement
1079 154 Lignite substituted phenolic cation exchangers
- INDIAN SCHOOL OF MINES, DHANBAD, INDIA
0382 1 Auto-desulphurization of coal
0482 107 Atomic absorption spectrophotometric and x-ray studies of respirable dusts in Indian coal mines
0482 108 A study of physicochemical characteristics of respirable dust in an Indian coal mine
0780 40 Use of electrical resistivity methods for study of some faults in the Jharia coalfield, India
0879 22 Slurry transportation in pipelines -- a computer model for hydraulic backfilling systems
1079 32 Microbial removal of organic sulfur from coal
1080 34 Removal of sulphur from coal by thioacetic ferroxidans and by mixed acidophilic bacteria present in coal
1080 108 Studies on the dielectric properties of raw and beneficiated coal
1180 27 Research and development programme of the Chinese coal industry
- INDIANA STATE UNIVERSITY, EVANSVILLE, INDIANA
0182 21 Effect of trace metal ions on the analysis of synthetic fuel samples
- INDIANA UNIVERSITY, BLOOMINGTON, INDIANA
0279 51 Characterization of polynuclear aromatic and aliphatic hydrocarbon fractions of solvent-refined-coal by glass-capillary gas chromatography/mass-spectrometry
0281 280 Activation and stoichiometric reduction of carbon monoxide
0377 45 Magnetic desulfurization of some Illinois basin coals
1080 193 The separation and structure elucidation of coal molecule fragments, Final report, February 1, 1976 - August 31, 1979
1081 19 Compositional studies of coal tar by capillary gas chromatography/mass spectrometry
- INDUSTRIAL ENVIRONMENTAL RESEARCH LABORATORY, RESEARCH TRIANGLE PARK, NORTH CAROLINA
0582 5 Cost for control of SO₂/2 emissions
- INDUSTRIAL FURNACE FUELS (PROPRIETARY) LIMITED, JOHANNESBURG, SOUTH AFRICA
0380 166 Treatment of solid fuels
- INDUSTRIAL HEALTH FOUNDATION, INC., PITTSBURGH, PENNSYLVANIA
0578 103 A research ambient air industrial hygiene survey of the Pittsburgh Energy Technology Center at Bruceton, Pennsylvania - final report, April 15 - August 30, 1978
- INDUSTRIAL PHYSICS GROUP, OXON, UNITED KINGDOM
1079 158 A method of measuring the ash content of coal in moving wagons
- INDUSTRIAL PRODUCTS GROUP REFRACTORIES, VALLEY FORGE, PENNSYLVANIA
0177 217 Evaluation of slag and refractory compatibility for low-BTU gasification of coal for electrical-power generation

INDUSTRIAL RESEARCH LABORATORIES, CINCINNATI, OHIO

0579 57 Acid mine drainage and subsidence: effects of increased coal utilization

INFORM, NEW YORK, NEW YORK

1177 4 Corporate research and development in alternate energy

INGERSOLL RAND RESEARCH, INC., PRINCETON, NEW JERSEY

0177 120 Dry coal-feeder development program at Ingersoll-Rand Research, Inc.
 0178 176 Development of coal screw feeder: Phase 11 Report
 0178 205 Development of coal piston feeder. Phase-1, Final Report
 0678 201 Feasibility of spraying and feeding fully plasticized coal

INHALATION TOXICOLOGY RESEARCH INSTITUTE, ALBUQUERQUE, NEW MEXICO

0280 289 Hydro-treatment and biological test of SRC-II coal liquid
 1080 10 Coal combustion fly ash characterization. Rates of adsorption and desorption of water

INLAND STEEL COAL COMPANY, SESSER, ILLINOIS

0480 65 Underground communications and information systems

INLAND STEEL COMPANY, CHICAGO, INDIANA

1082 8 Correlation of reactivity and electrical resistivity of coke

INPUT OUTPUT COMPUTER SERVICES, INC., CAMBRIDGE, MASSACHUSETTS

0876 6 Rail transportation requirements for coal movement in 1980

INSDOC, NEW DELHI, INDIA

0877 13 Parameters and regimes for the hydraulic transportation of coal by pipelines

INSITU CONSULTING, LARAMIE, WYOMING

0178 316 Bibliography of subsidence and related topics for in-situ coal gasification
 0781 5 Hydrogeologic evaluation of the Hanna coal gasification site

INSTITUT DE RECHERCHES SUR LA CATALYSE, VILLEURBANNE, CEDEX, FRANCE

0181 258 Chemistry of silica-supported catalysts: preparation, activation and reduction

INSTITUT FRANCAIS DU PETROLE, RUEIL MALMAISON, FRANCE

0182 81 Major problems, first results and projects of underground gasification of deep coal in France

INSTITUT FUR CHEMISCHE TECHNIK DER UNIVERSITAT, KARLSRUHE, GERMANY

0181 49 Catalytic activity of coal minerals in hydrogasification of coal
 0182 9 Catalytic activity of coal minerals in water vapour gasification of coal
 0182 29 Chemistry of methane formation in hydrogasification of aromatics. 1. Non-substituted aromatics
 0182 30 Chemistry of methane formation in hydrogasification of aromatics. 3. Aromatics with heteroatoms
 0182 31 Chemistry of methane formation in hydrogasification of aromatics. 2. Aromatics with aliphatic groups

INSTITUT FUR ORGANISCHE CHEMIE, BIOCHEMIE UND ISOTOPENFORSCHUNG, UNIVERSITAT STUTTGART, GERMANY

0179 139 A carbon-13 N.M.R. study of low-volatile by-products of coal- gasification

INSTITUT FUR WASSERWESEN LEHRSTUHL FUR HYDROMECHANIK UND HYDROLOGIE HOCHSCHULE DER BUNDESWEHR, MUNCHEN, GERMANY

0881 31 Theoretical considerations and laboratory investigations about water hammer propagation velocity in slurry pipelines

INSTITUT FUR WASSERWESEN, MUNCHEN, GERMANY

0882 16 Calculating transient flows in slurry pipelines

INSTITUT NATIONAL DES INDUSTRIES EXTRACTIVES, LIEGE, BELGIUM

0179 107 Hydrogasification of Bituminous Coal

INSTITUTE FOR ATMOSPHERIC OPTICS AND REMOTE SENSING, HAMPTON, VIRGINIA

0580 0 Environmental and climatic impact of coal utilization

INSTITUTE FOR CHEMICAL ENGINEERING, TECHNICAL UNIVERSITY, BERLIN, GERMANY

0178 72 feedstock for chemical industry by selective Fischer-Tropsch Synthesis

0179 211 Mass transfer in the liquid-phase Fischer-Tropsch synthesis

0280 157 Hydrodynamic properties of the Fischer-Tropsch slurry process

INSTITUTE FOR MEDICAL RESEARCH AND OCCUPATIONAL HEALTH, ZAGREB, YUGOSLAVIA

0581 13 The impact of natural radioactivity from a coal-fired power plant

INSTITUTE FOR MINING AND MINERALS RESEARCH, PIKEVILLE COLLEGE, PIKEVILLE, KENTUCKY

0278 103 Nonaqueous potentiometry of coal derived asphaltenes and model nitrogen containing compounds in acetophenone and nitrobenzene

INSTITUTE FOR PETROLEUM AND ORGANIC GEOCHEMISTRY, JULICH, WEST GERMANY

0780 13 Composition of soluble organic matter in coals: relation to rank and liptinite fluorescence

INSTITUTE FOR THE CHEMICAL PROCESSING OF COAL, ZABRZE, POLAND

0280 254 Studies on tars from the fast pyrolysis of coal

INSTITUTE NATIONAL DES INDUSTRIES EXTRACTIVES, LIEGE, BELGIUM

0180 298 Underground coal gasification at high pressure

0480 31 The latest results of coal mining research in Belgium

INSTITUTE OF CATALYSIS, NOVOSIBIRSK, USSR

0180 244 Catalytic ammoxidation of coal

0281 204 Effects of metal-support interactions on the synthesis of methanol over palladium

INSTITUTE OF CHEMICAL TECHNOLOGY, DNIETROPETROVSK, USSR

1081 54 Capillary gas chromatography of aromatic compounds

INSTITUTE OF CHEMICAL TECHNOLOGY, MOSCOW, USSR

0177 181 Kinetics of the reaction of carbon with gases and the problem of the gasification of solid fuel

1079 156 Study of coal and nonvolatile mobile liquid products of its thermal transformations

1079 157 Study of the influence of the pH of the medium and of the Fe//2 and Fe//3 and system on the interaction of coal and carbonaceous argillite with solutions

INSTITUTE OF CHEMICAL TECHNOLOGY, PRAGUE, CZECHOSLOVAKIA

1081 49 Analyses of pyridine bases isolated from a high-temperature coal tar by capillary gas chromatography

INSTITUTE OF CHEMICAL TECHNOLOGY, WARSAW, POLAND

1079 164 Binding properties of pitch from shale carbonization oil

INSTITUTE OF CHEMISTRY, LUBLIN, POLAND

0380 27 The enrichment of fine particles of coal by aggregation. Part 1. Forces of coal grain adhesion to air bubbles

0380 28 The enrichment of fine particles of coal by aggregation. Part 2. The use of the selective aggregation method

INSTITUTE OF COMBUSTIBLE MINERALS, MOSCOW, USSR

0379 59 Thermobriquetting of the Aimalyk and Kyzil-kiya coals of the Irghiz SSR

1078 168 The use of petrographic characteristics for predicting the physico-chemical and chemical-technological properties of coals

- INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC., NEW YORK, NEW YORK
1177 1 Energy development III
- INSTITUTE OF ENERGY ECONOMICS, TOKYO, JAPAN
0281 20 A prospect on synthetic fuel development in Japan
- INSTITUTE OF ENVIRONMENTAL MEDICINE, NEW YORK UNIVERSITY, NEW YORK, NEW YORK
0576 2 Emission control in an expanding industry: Trace-metals from coal combustion
0576 3 A program for technology assessment for environmental health
- INSTITUTE OF FOSSIL FUELS, MOSCOW, USSR
0179 240 Production of methanol from coal
0379 57 Hydrogenation of cyclopentadiene under equilibrium conditions
1078 148 Behavior of iron compounds in the thermal drying of coal and their significance in the oxidation process
1078 153 On the nature of the organic matter of sapropel from the Osinovka coalfield
1078 158 Thermal properties of a porous filler based on powdered Ekibastuz-coal-rock
1078 160 Quantitative spectral determination of trace elements in coals
1079 132 Determining the nitrogen content in nitride-containing materials
1079 133 Formation of silicon-monoxide during processing of carbonaceous rock from the Ekibastuz coal fields in a plasma
1079 215 The kinetics of the change in yield of residual volatile matter during thermal processing of Irsha-Borodino coal in swirl chambers
- INSTITUTE OF GAS TECHNOLOGY, CHICAGO, ILLINOIS
0168 3 Process design and cost estimate for a 258 billion Btu/day pipeline-gas plant, Hydrogasification using synthesis-gas generated by electrothermal gasification of spent-char
0173 12 Symposium papers, Clean fuels from coal
0173 44 Kinetics of bituminous coal char gasification with gases containing steam and hydrogen
0174 32 Slurry-feeding of coal to Hygas gasifier
0175 77 Pipeline gas from coal-hydrogenation (IGT hydrogasification process). Interim report No. 2, July 1974 - June 1975
0176 16 The IGT Low-Btu-gas process - Design and Economics
0176 45 Fluidization characteristics of coal gasification materials
0176 106 Pipeline gas from coal-hydrogenation (IGT hydrogasification process). Project 8907 Final Report, August 1972 - June 1976
0176 120 Fate of trace and minor constituents of coal during gasification
0177 57 The status of coal gasification, 1977
0177 117 Slurry pumping techniques for feeding high pressure coal gasification reactors
0177 188 Development of the steam iron system for production of hydrogen for the Hygas process, Project 8920 final status report, May 1973 - June 1976
0177 195 Overview of coal conversion processes
0177 197 Instrumentation and data acquisition techniques in the Hygas pilot-plant
0178 68 Petrographic method for selective determination of a component (raw-coal) in a mixture of products from processing of coal
0178 108 The modeling of initial stage hydrogasification of various ranked coals
0178 267 Pipeline-gas from coal-hydrogenation (IGT hydrogasification process). Project 9000 Interim report No. 1, July 1976 - June 1977
0178 303 Experimental program for the development of peat gasification
0179 48 Gasification tests of bituminous coal chars: Project 61023 Final report, August - December 1978
0179 58 Assessment of the labor impacts of the commercialization of coal gasification systems
0179 134 Hydrogen by the steam-iron process
0179 191 Controlling fluidized-bed gasification
0179 235 Kinetics of coal gasification
0179 287 Development of the steam-iron process for hydrogen production, final report
0179 290 Development of combustion data to utilize low-Btu gases as industrial process fuels - project 61004, final report
- Chemistry of coal ash melting in gasification and combustion

- 0179 315 Catalytic gasification of lignite chars
 0180 43 Chemistry of ash agglomeration in the U-gas process
 0180 56 Status of the hygas process development
 0180 83 Status of coal gasification processes
 0180 90 Cold-model studies of agglomerating gasifier discharge behavior
 0180 108 Method for feeding caking coal particles to a gasifier
 0180 158 The U-gas process
 0180 188 The U-gas process for chemical manufacture
 0180 239 Memphis demonstration plant program for coal gasification
 0180 242 Historical development of the U-Gas process at the IGT pilot plant
 0180 256 The Hygas process to produce pipeline gas from coal
 0180 272 Thermodynamic analysis of coal gasification processes
 0180 310 Direct catalytic methanation of raw synthesis gas
 0181 40 Process optimized for high pressure gas cleanup
 0181 87 Results of the Western Kentucky coal test program at the hygas pilot plant
 0181 93 Void-gas stripping in standpipes
 0181 95 U-gas technology status - II
 0181 97 Riser cracking of coal to methane, chemicals, and liquid fuels
 0181 164 Preparation of a coal conversion systems technical data book
 0182 111 An exploratory study of a combined sonic agglomeration and crossflow filtration system for hot gas cleanup
 0182 118 Coal gasification construction materials: an overview
 0276 71 Research and development of rapid hydrogenation for coal conversion to synthetic motor fuels (riser-cracking of coal)
 0277 37 Pilot plant study of conversion of coal to low sulfur fuel
 0277 44 Research and Development of rapid hydrogenation for coal conversion to synthetic-motor-fuels (riser-cracking of coal), Annual Report, April 1976 - March 1977
 0278 128 Preparation of a coal conversion systems technical data book, Project 8979 Annual Report, May 1976 - April 1977
 0278 160 Research and development of rapid hydrogenation for coal conversion to synthetic motor fuels (riser-cracking of coal), Project No. 8976 Annual Report, April 1977 - March 1978
 0278 165 Research and development of rapid hydrogenation for coal conversion to synthetic motor fuels (riser-cracking of coal), Project No. 8976 Task Report: Task 3, Design of a process development unit
 0279 15 Preparation of a coal conversion systems technical data book, Annual Report, May 1977 - April 1978
 0279 106 Coal hydrolysis permits product yield variation
 0279 199 Coal liquefaction processes
 0279 202 Flash hydrogenation of lignite and bituminous coal in an entrained flow reactor
 0280 324 Heat transfer in slurry preheaters for coal liquefaction plants
 0281 147 Overview of coal conversion to gases and liquids
 0281 325 Research and development of rapid hydrogenation for coal conversion to synthetic motor fuels (Riser cracking of coal) - Final Report
 0377 56 Hydrodesulfurization of coals
 0576 13 Hygas process development
 0576 36 Initial environmental test
 0579 16 Environmental assessment of the HYGAS process, Volume 1. Interim report on HYGAS environmental characterization: Data synthesis, analysis, and interpretation - Tests 37 through 64
 0579 16 A design basis for utility-gas from coal
 0673 24 Low-Btu-gas from the IGT ash-agglomeration gasification process
 0678 33 Development of combustion data to utilize low-Btu gases as industrial process fuels, Project 8985 Annual Report, Oct. 1976 - Sept. 1977
 0678 83 A mechanistic model applicable to coal combustion in fluidized-beds
 0678 127 Fluidization correlations for coal gasification materials-minimum fluidization velocity and fluidized-bed expansion ratio
 0678 130 Development of combustion data to utilize low-Btu-gases as industrial process fuels, Project 8985 Special report No. 2, Kilm Burner
 0678 178 Development of combustion data to utilize low-Btu-gases as industrial process fuels, Project 8985 Special report No. 3., Nozzle-mix burner
 0678 179 Development of combustion data to utilize low-Btu-gases as industrial process fuels, Project 61004 Special

- report No. 5., Flat-flame burner
Development of combustion data to utilize low-Btu-gases as industrial process fuels: special report no. 4.
High-forward Momentum burner
- 0678 214
- 0679 37 Development of combustion data to utilize low-Btu-gases as industrial process fuels, Project 61004 Special report no. 7, Premix tunnel burner
- 0679 40 Development of combustion data to utilize low-Btu-gases as industrial process fuels, Project 61004 Special Report No. 8, Boiler Burner
- 0679 42 Development of combustion data to utilize low-Btu-gases as industrial process fuels, Project 61004 Annual status report for Oct. 1977 - Sept. 1978
- 0679 47 Development of combustion data to utilize low-Btu-gases as industrial process fuels, Project 61004, Special Report No. 6, High-excess air burner
- 0680 103 Fluidized bed apparatus and process
- INSTITUTE OF GAS TECHNOLOGY, LOUISVILLE, KENTUCKY
0179 226 Gasoline from coal by the IGT-riser-cracking process
- INSTITUTE OF HETEROORGANIC COMPOUNDS, AS. USSR
1078 166 The chemical activity of schungite and the products of its thermal transformation
- INSTITUTE OF MINING, NOVOSIBIRSK, USSR
0478 303 Concerning abutment pressure in the vicinity of a horizontal working
0478 307 Roof rock kinematics during working of coal seam with stowage
- INSTITUTE OF MOLECULAR PHYSICS OF THE POLISH ACADEMY OF SCIENCES, SMOLUCHOWSKIEGO, POLAND
1082 25 Epr study of molecular phases in coal
- INSTITUTE OF NON FERROUS METALS, GLIWICE, POLAND
0381 58 Investigations on the design and performance of large-volume mechanical-pneumatic flotation machines of the IZ-type
- INSTITUTE OF NUCLEAR RESEARCH, SWIERK, POLAND
0679 155 One-stage cyclone-combustors for coal-fired test stand of 4mw thermal power
- INSTITUTE OF NUCLEAR SCIENCE, GHENT, BELGIUM
0580 11 Determination of mercury in environmental standard reference materials by pyrolysis
- INSTITUTE OF NUCLEAR SCIENCES, GRACEFIELD, NEW ZEALAND
1080 27 Radiometric assessment of abrasiveness of coal in pulverizers
- INSTITUTE OF POWER ENGINEER AND FLUID MECHANICS, WROCLAW, POLAND
0681 67 An analysis of critical ignition and extinction diameters of solid particles
- INSTITUTE OF SEDIMENTARY AND PETROLEUM GEOLOGY, CALGARY, ALBERTA
0779 8 The Tranquillite beds of the Kamloops group: a tertiary (middle eocene) coal-bearing sequence in the vicinity of Kamloops Lake, British-Columbia
- 0779 17 Organic material in the Tranquillite beds of the (tertiary) Kamloops volcanic group near Afton Mine, Kamloops, British-Columbia (Canada)
- 0781 30 A preliminary assessment of coal slurry pH and coal flotation as parameters of weathering in western canadian coals
- 1080 146 Anomalous coking properties of the Wolgan Seam, NSW Australia
- INSTITUTION OF ELECTRICAL ENGINEERS, LONDON, UNITED KINGDOM
1179 29 Coal research 2000: The 1978 Robens Coal Science Lecture

- INSTITUTO DE CARBOQUIMICA, ZARAGOZA, SPAIN
 1081 48 Amino-acids in humic, nitrohumic and nitrofuvic acids from coal
 1082 27 Gel permeation chromatography applied to the study of the nitrohumic acids from coal
- INSTITUTO DI CHIMICA INDUSTRIALE E IMPIANTI CHIMICI, NAPOLI, ITALY
 0679 78 Operative variables of a pre-pilot plant for fluidized-bed combustion
 0681 130 Carbon fines production and elutriation from the bed of a fluidized coal combustor
- INSTRUMENTATION AND APPLIED PHYSICS DIVISION, AERE, HAWTHORN, ILLINOIS
 0580 84 Nuclear electronic instrument systems using the Harwell 6000 series
- INSTYTUT CHEMII I TECHNOLOGII NAFTY I WEGLA, WROCLAW, POLAND
 1082 34 Structure of the cokes obtained from the group components separated from coking coal vitrites by selective thermosolvolysis
 1082 35 Properties and structure of group components separated from vitrites of coking coals by selective thermosolvolysis
- INSTYTUT TECHNIKI CIEPLENEJ POLITECHNIKI SLASKIEJ, GLIWICE, POLAND
 0380 18 Atomization of coal-liquid mixtures
- INTERMOUNTAIN FIELD OPERATIONS CENTER, DENVER, COLORADO
 0477 116 Western coal in the United-States energy picture
- INTERNATIONAL COAL REFINING COMPANY, ALLENTOWN, PENNSYLVANIA
 0280 42 A comparative study of coal liquefaction performance and economics for solvent refined coal-based processes
 0281 196 Experimental support for coal reactor design for the SRC-I demonstration plant
 0282 51 Research and development support for a solvent refined coal demonstration plant - an overview
 0282 101 Materials for the SRC-I demonstration plant
 0381 4 Scale-up of a SRC deashing process
 0681 118 Combustion of solvent-refined coal in a 100-HP firetube boiler
- INTERNATIONAL NICKEL COMPANY, NEW YORK, NEW YORK
 0176 81 Developing a data base
- INTERNATIONAL RESEARCH AND TECHNOLOGY CORPORATION, MCLEAN, VIRGINIA
 0280 259 Indirect liquefaction of coal
 0280 304 Comparison of the hydrodesulfurization and hydrodenitrogenation activities of monolith alumina impregnated with Co and Mo and Nalcom 474 catalysts
 0578 63 Materials-Process-product analysis of coal process technology, Final Report for Project Phase II, Volume I (of 6). Structure and application of the Materials-Process-Product Model (MPPM)
 0578 64 Materials-Process-product analysis of coal process technology, Final Report for Project Phase II, Volume III (of 6). User's Guide to the MPPM
 0578 67 Materials-Process-Product analysis of coal process technology, Final report for Project Phase II, Vol. II (of 6). Part 3 process data
 0578 74 Materials-process-product analysis of coal process technology, Final report for Project Phase II, Volume IA (of 6). Appendix annex to Volume I, MPPM algorithms and other data
 0578 75 Materials-process-product analysis of coal process technology, Final report for Project Phase II, Volume II (of 6). Part 1 - Process data
 0578 76 Materials-process-product analysis of coal process technology, Final report for Project Phase II, Volume II (of 6). Part 2 - Process data
- INTERNORTH INC., OMAHA, NEBRASKA
 0582 18 Dust suppressant

- INTERTECHNOLOGY CORPORATION, WARRENTON, VIRGINIA
 1171 1 The U.S. energy problem, Vol. 1, summary
 1171 2 The U.S. energy problem, Vol. 2, appendices part A
 1171 3 The U.S. energy problem, Vol. 2, appendices, Part B
 1177 23 The energy plantation as an alternative source of fuels
- INTERUNIVERSITAIR REACTOR INSTITUUT, DELFT, NETHERLANDS
 0281 311 On the time-dependent behavior of iron catalysts in Fischer-Tropsch synthesis
- IONIC PLATING CO. LTD., SMETHWICK, MIDLANDS, UNITED KINGDOM
 0482 10 Preventing corrosion underground
- IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA
 0778 12 Coal resource program
- IOWA STATE UNIVERSITY, AMES, IOWA
 0175 40 coal processing by electrofluidics
 0180 191 A bibliography of hydrogen attack of steel and relevant ancillary topics
 0280 149 Direct determination of polynuclear aromatic hydrocarbons in coal liquids and shale-oil by Laser Excited Shpol'ski spectroscopy
 0281 106 Deuterated analogues as internal reference compounds for the direct determination of benzo (a) pyrene and perylene in liquid fuels by Laser-Excited Shpol'ski Spectrometry
 0281 120 High-performance liquid chromatographic studies of coal liquids by Laser-based detectors
 0281 253 Fourier transform infrared and solid state carbon-13 nuclear magnetic resonance spectroscopic analyses of pyrolysed coal liquid asphaltene
 0377 15 Advanced development of fine coal desulfurization and recovery technology
 0377 28 Floatability of coal and pyrite
 0377 37 Coal microstructure and pyrite distribution
 0377 43 A comparison of coal beneficiation methods
 0377 51 Desulfurizing coal with alkaline solutions containing dissolved oxygen
 0377 58 Coal desulfurization during gaseous treatment
 0377 59 Desulfurization of coal in a fluidized-bed reactor
 0378 18 Full scale coal preparation research on high sulfur Iowa coal
 0379 125 Fossil Energy program, Technical progress report, 1 January 1979 through 31 March 1979; 1. Mining Research and Development - Coal Preparation and Analysis
 0380 11 Status of chemical coal cleaning processes
 0380 168 Solvent-pretreatment of feed coal for briquetting
 0380 171 Evaluation of oxydesulfurization processes for coal 1. The effect of the Ames process on model organosulfur compounds
 0381 83 Evaluation of the removal of organic sulfur from coal
 0381 92 Physical and chemical coal cleaning
 0381 93 Selective magnetic enhancement of pyrite in coal by dielectric heating at 27 and 2450 MHz
 0477 144 Reclamation planning at the Iowa coal project demonstration mine
 0479 164 Planning erosion control for coal mining and restoration
 0576 35 Bibliography on potential effects on aquatic resources of processing and/or conversion of Iowa coal
 0579 66 Environmental significance of power plant fly ash
 0580 106 Assessment of needs for environmental controls for burning a coal-oil mixture in a slot forge furnace. Final report
 0581 52 Polychlorinated biphenyls in effluents from combustion of coal/refuse
 0581 56 Dioxins not detected in effluents from coal/refuse combustion
 0678 223 Organic emissions from combustion of combination coal/refuse to produce electricity
 0681 164 A coal and ash blend analysis of a bituminous and a subbituminous coal
 1077 23 Coal microstructure and the significance of pyrite inclusions
 1079 247 A tentative identification of average aromatic ring size in an Iowa vitrain and a Virginia vitrain
 1080 92 Fluorescence line narrowing spectrometry in glasses for direct determination of polycyclic aromatic hydrocarbons in solvent-refined coal
 1080 178 Dielectric heating of mixtures containing coal and pyrite

CORPORATE AUTHOR INDEX

- 1081 174 Application of selected chemical reactions to the organic chemistry of coal - thesis
 - 1081 227 A coal and ash blend analysis of a bituminous and a subbituminous coal - thesis
- IPC SCIENCE AND TECHNOLOGY PRESS LTD
- 1077 100 An XPS study of the oxidation of pyrite and pyrites in coal
- IRKUTSK STATE UNIVERSITY, IRKUTSK, USSR
- 0679 135 The CO//2 reaction capacity of cokes from petrographic microcomponents of poorly-caking Kuzbass-coals
- ISCOR, PRETORIA, SOUTH AFRICA
- 0380 144 An investigation of the flotation of three South-African coals
- ISHIKAWA HARIWA HEAVY INDUSTRY LTD., TOKYO, JAPAN
- 0581 68 State of the art in desulfurization system for preventing environmental pollution caused by flue-gas from coal fired power stations
- ISLAND CREEK COAL COMPANY, LEXINGTON, KENTUCKY
- 0880 6 Continuous haulage at Island Creek
 - 1181 18 Coal and coke utilization as it affects US trade relations (or the expanded role of coal in world trade)
- ISLAND CREEK COAL COMPANY, PAINTSVILLE, KENTUCKY
- 0479 219 Haulroad criteria - what you have to do to meet performance standards
- ISRAEL ELECTRIC CORPORATION, LTD., HAIFA, ISRAEL
- 0677 108 The causes of boiler metal wastage in the Stadtwerke Dueseldorf incineration plant
- ISRAEL INSTITUTE OF TECHNOLOGY, HAIFA, ISRAEL
- 0681 35 Reinforced blast waves in gases containing solid particles
- ISREAL PROGRAM FOR SCIENTIFIC TRANSLATIONS, JERUSALEM, ISREAL
- 0163 1 Underground processing of fuels
- ISTITUTO DE MECCANICA DELLA FACOLTA DI INGEGNERIA, CAGLIARI, ITALY
- 0681 44 The effect of vitiated air on the combustion of pulverized coal for applications to coal fired combined cycle steam generators
- ISTITUTO DI CHIMICA INDUSTRIALE POLITECNICO DI MILANO, MILANO, ITALY
- 0282 149 An approximate mathematical model for three-phase multistaged separators
- ISTITUTO DI CHIMICA ORGANICA INDUSTRIALE DELL'UNIVERSITA' DI PISA, PISA, ITALY
- 0682 10 Determination of the stability of coal-oil mixtures (COM) by infrared analysis
- ITALIMPIANTI, GENOVA, ITALY
- 0882 10 Coal transport chain: a cost and energy analysis of two technical systems: a slurry system vs. a conventional bulk transport system
- JACOBS ENGINEERING GROUP INC., PASADENA, CALIFORNIA
- 0182 23 Costs of producing fuel grade methanol and medium heating value gas by underground coal gasification
- JAPAN ELECTRON OPTICS LABORATORY, TOKYO, JAPAN
- 1079 28 Field desorption mass spectrum of coal-derived liquid
- JAPAN STEEL WORKS LTD., MURORAN, JAPAN
- 0180 313 A feasibility study of manufacturing ultra-large pressure vessels for coal conversion application

JAPANESE UNION OF AIR POLLUTION PREVENTION ASSOCIATIONS, TOKYO, JAPAN
0577 62 Proceedings of the fourth international clean air congress

JAYCOR, DEL MAR, CALIFORNIA

0677 137 Study of research areas in fluidized-bed combustion (FBC) sorption, attrition, and air distribution, Final report
0680 158 Simulation of cold flow in agglomerating reactors, JAYCOR Topical report No. 1

JAYCOR, SAN DIEGO, CALIFORNIA

0181 102 Dynamic computer simulations of entrained-flow and fluidized-bed coal gasifiers

JENIKE AND JOHANSON, INCORPORATED, BILLERICA, MASSACHUSETTS

0177 128 Storage and feeding of coal
0880 44 Measuring the effectiveness of FCA

JET PROPULSION LABORATORY, PASADENA, CALIFORNIA

0480 201 Optimal voltage selection in underground coal mine power systems

JOHN BLIZZARD RESEARCH CENTRE, LIVINGSTON, NEW JERSEY

0678 137 An experimental study of the combustion of coke-breeze in a fluidized-bed combustor

JOHN BROWN ENGINEERING LIMITED

0181 238 Development of the coal fired combined cycle & gas turbine cycle for power generation

JOHN MUIR INSTITUTE, SANTA FE, NEW MEXICO

0176 127 Potential production of photochemical oxidants from coal gasification facilities

JOHNS MANVILLE CORPORATION, DENVER, COLORADO

0277 78 Studies on the filtration of liquefied coal in a rotary leaf pressure precoat filter
0279 143 Filtration process and equipment studies for coal liquefaction processes - final report
0680 99 Method of reducing deterioration of electric furnace refractory metal components

JONES & LAUGHLIN STEEL CORPORATION, PITTSBURGH, PENNSYLVANIA

0379 53 Modelling study of preheating and carbonization of coal

JOY MANUFACTURING COMPANY, FRANKLIN, PENNSYLVANIA

0478 220 Demonstration of roof mounted flexible conveyor train, Final Technical Report

JOY MANUFACTURING COMPANY, PITTSBURGH, PENNSYLVANIA

0480 0 Mining methods and size consist of run-of-mine coal

K AND B GRUBBS INSTRUMENT, DUSSELDORF, GERMANY

1079 113 Preparation of microsections and the structure of synthetic coal

KAISER ENGINEERS INC., OAKLAND, CALIFORNIA

0180 120 Process for gasification of coal to maximize coal utilization and minimize quantity and ecological impact of waste products
0680 16 Coal and the cement industry

KAISER RESOURCES LIMITED, OTTAWA, ONTARIO

0479 254 Progress in underground mining of coal under the difficult mountainous conditions of western Canada

KAISER RESOURCES LIMITED, SPARWOOD, BRITISH COLUMBIA

0380 19 Coal quality control at Kaiser Resources
0380 35 Vibrated sieves solve fines problem at prep plant
0478 89 The Panel No. 6 Project: Latest developments in hydraulic coal mining at Kaiser Resources Ltd., Sparwood, B.C.
0479 171 Underground coal mining in the future

- 0480 17 Coal mining practices at Kaiser Resources Ltd.
 0481 26 The Greenhills surface coal mining project
 1076 26 Coating coal with wetting agent followed by treatment with coal for emulsion
- KAISER STEEL CORP., SUNNYSIDE, UTAH
 0481 135 Entry development for longwall mining
- KAMAN SCIENCES CORPORATION, COLORADO SPRINGS, COLORADO
 0175 3 Results of demonstration of a reliability assessment methodology using two coal conversion plant models
- KAMYR INCORPORATED, GLEN FALLS, NEW YORK
 0881 28 Coarse particle slurries and their use with offshore terminals to load bulk carriers
 0882 17 Abrasiveness of fine grain particles in slurry machinery
- KANSAI UNIVERSITY, OSAKA, JAPAN
 1081 95 Effect of air-oxidation on the pore-structure of coals and cokes or chars obtained from oxidized coals
- KANSAS CITY POWER AND LIGHT COMPANY, KANSAS CITY, MISSOURI
 0880 41 Kansas City Power and Light Company's history of frozen coal problems and its experience with mine application of freeze-conditioning additives (FCA) during 1980
- KANSAS STATE UNIVERSITY, MANHATTAN, KANSAS
 0276 80 A model for the extractive coal liquefaction: I. modeling and stimulation of the Nenken coal liquefaction process
 0678 119 Transfer of solids between parallel fluidized-beds
 0678 256 The kinetics of ignition and particle burnout of coal dust suspensions under rapid heating conditions - dissertation
 0680 128 Shock tube techniques in the study of pulverized coal ignition and burnout
 0681 25 Modeling of dynamic and steady-state shallow fluidized bed coal combustors. Effects of feeder distribution
 0681 45 The influence of oxygen and total pressure on the surface oxidation rate of bituminous coal
 0682 33 Modeling of shallow fluidized bed reactors. 1. Analytic solution of a simplified model
 1082 33 Formation and destruction of H₂/2S in the short residence time pyrolysis of pulverized coal and model compounds
 1179 57 Coal handling systems
- KARADENIZ TECHNICAL UNIVERSITY, TRABZON, TURKEY
 0181 10 Supercritical-gas extraction of Turkish coking coal
- KARAGANDA STATE MEDICAL INSTITUTE, KARAGANDA, USSR
 0579 68 Nature of the change in coal dust in the body in relation to the problem of anthracosis
- KATALCO CORPORATION, OAK BROOK, ILLINOIS
 0279 96 Extending catalyst life
- KAWASAKI HEAVY INDUSTRIES LTD., KONOYAMA KU, OSAKA, JAPAN
 0679 193 Fluidized bed combustion of coal
- KB/NATIONAL MINE COMPANY, PITTSBURGH, PENNSYLVANIA
 0479 209 Half-face longwalling eases dust problems
- KELLER CORPORATION, DALLAS, TEXAS
 0377 82 Pulverulent carbonaceous fuel
- KENNEDY VAN SAUN CORPORATION, DANVILLE, PENNSYLVANIA
 0377 74 Developing/modifying coal grinding procedures and equipment to produce predictable size distributions during coal preparation. Annual progress report, September 1976 - September 1977
 0379 16 Developing/modifying coal grinding procedures and equipment to produce predictable size distributions during

- coal preparations. Annual progress report, October 1977 - December 1978
 Metallurgical and chemical-time production via a coal-fired preheater system
 Nuclear assay of coal, Volume 7: Coal rheology and its impact on nuclear assay
 1179 28 Economic analysis of coal-fired cement kilns
- KENT STATE UNIVERSITY, KENT, OHIO
 0278 127 Gas-chromatography - mass-spectrometry analyses: Nitrogen heterocycles in coal liquids
- KENTUCKY CENTER FOR ENERGY RESEARCH, LEXINGTON, KENTUCKY
 0280 263 A comparison of independent product cost estimates: The cost of methanol from coal
 0281 276 Coal liquid upgrading using metallophthalocyanine catalysts: hydrogenation of the model compound quinoline
- KERNFORSCHUNGSANLAGE, JUELICH, GERMANY
 0179 267 Coal gasification with heat from high temperature reactors
- KERR MCGEE CORPORATION, OKLAHOMA CITY, OKLAHOMA
 0278 44 Critical solvent deashing of liquefied coal
 0278 177 Use of specific coal components to improve soluble coal product yield in a coal deashing process
 0278 178 Separation technique in a coal deashing process
 0279 69 Critical solvent deashing of liquefied coal
 0280 136 Process for improving soluble coal yield in a coal deashing process
 0280 158 Process for the hydroconversion of coal
 0280 161 Operation of a coal deashing process
 0281 78 Process for utilizing mineral-containing residue from coal liquefaction process
 0281 118 System for producing a powdery composition comprising coal products in a coal deashing process
 0281 296 Process for producing slurries of ash concentrate
 0282 70 Microautoclave studies. Part I: The effect of microautoclave mixing and workup procedure on microautoclave coal conversion. Part II: The effect of basic-nitrogen solvents on coal conversion
 0282 71 Integrated bench-scale studies: process variations in two-stage coal liquefaction
 0381 34 Process for the discharge of ash concentrate from a coal deashing system
- KETRON, INC., WAYNE, PENNSYLVANIA
 0478 267 Longwall conveyor system study, Vol. II, final technical report
 0479 10 Analysis of U.S. underground thin seam mining potential. Volume 1. Text. Final technical report. December 1978
 0479 12 Analysis of the economic feasibility of the Kioswall Longwall Mining System. Final technical report. Volume 1. December 1978
 0479 36 Analysis of U.S. underground thin seam mining potential. Volume II - Appendices. Final Technical Report, December 1978
 0479 46 Analysis of U.S. underground thin seam mining potential. Volume III. Data base final technical report. December 1978
 0878 46 Longwall conveyor system study, Vol. 1, final technical report
- KILBORN LIMITED, TORONTO, ONTARIO
 0281 254 Integration of instrumentation, process design and process control - A case study based on coal conversion by FHP
 0282 82 Coal liquefaction in Canada
 0282 89 The CANMET flash hydrolysis program
 0282 98 Liquefaction of Cape Breton coals
 0282 171 Liquefaction of Western Canadian coals
- KINERGY CORPORATION, LOUISVILLE, KENTUCKY
 0880 5 How to improve coal flow from storage bins
- KINETICS TECHNOLOGY INTERNATIONAL B.U., ZOETERMEER, NETHERLANDS
 0180 7 Industrial scale production of hydrogen from natural gas, naphtha and coal

KINNERET ENTERPRISES LIMITED, HONG KONG, CHINA

0380 63 Coal de-ashing process

KLOECKNER HUMBOLDT DEUTZ, KOLN, GERMANY

0680 171 Coke Furnace Charging coal

KOBE STEEL LIMITED, KOBE, JAPAN

0280 121 Coal liquefaction process and apparatus therefor

0280 240 Relationship between coal characteristics and its reactivity on hydroliquefaction

KOCH PROCESS SYSTEMS INCORPORATED, WESTBORD, MASSACHUSETTS

0182 41 Process improves acid gas separation

KOHLEGAS NORDRHEIN GMBH, RATINGEN, WEST GERMANY

0181 88 The KGN fixed-bed gasifier and the planned gasworks riedelland

KOMAG, GLIWICE, POLAND

0482 4 New technology of mining inclined seams

KOMMUNARSK MINING AND METALLURGICAL INSTITUTE, KADIEVKA, USSR

1078 142 Reproducibility of the results in investigations of carbons by pyrolytic mass-spectrometry

KONINKLIJKE/SHELL LABORATORIUM, AMSTERDAM, THE NETHERLANDS

0179 188 The Fischer-Tropsch reaction

0181 81 Potassium-catalyzed gasification of carbon with steam: a temperature-programmed desorption and fourier transform infrared study

1080 44

Low-temperature oxidation of a bituminous coal. Infrared spectroscopic study of samples from a coal pile

1080 52 An improved hydrogenation-microcoulometric method for the determination of nitrogen in organic materials including coal and heavy residual oils

KOPPERS COMPANY, INC., MONROEVILLE, PENNSYLVANIA

1082 24 Volatility test for bituminous materials

KOPPERS COMPANY, INC., PITTSBURGH, PENNSYLVANIA

0174 15 Economics of the Koppers-Totzek Process

0175 14 Koppers-Totzek: Take a long hard look

0176 24 Koppers-Totzek coal gasification process

0176 46 Direct reduction with gas from the Koppers-Totzek coal gasification process

0178 151 Economics of the Koppers K-T gasification process for synthetic-gas and chemical manufacture

0178 406 Gasification of COED chars in a Koppers-Totzek gasifier

0179 249 Methanol from coal using the Koppers-Totzek process

0180 104 High pressure coal gasifier feeding apparatus

0280 155 Rubberized coal tar pitch emulsion

KREITER GEAR AND MACHINE INC., HOUSTON, TEXAS

0480 110 Economic look at small area mining methods

KRIVOI ROG COKE WORKS, USSR

0378 71 Screening coal fines before crushing in preparation for coking

KRUPP CANADA INC., CALGARY, ALBERTA

0481 35 Application of a cross-pit bridge conveyor system in mining

KRUPP FORSCHUNGSINST, ESSEN, GERMANY

0681 138 Development of a melt-down process with combined direct reduction using any type of fine coal

- KRUPP KOPPERS GMBH, ESSEN, GERMANY
 0178 409 Considerations on coal gasification
 0180 68 New coal-based ammonia plant for Brazil
 0180 96 Communicator for use in a gasifying installation
 0180 186 Status of entrained coal gasification according to Koppers-Totzek and Shell-Koppers
 0180 245 Entrained-bed gasification - Present state and development trends
 0181 184 Beneficiation of coal to form chemical primaries and other energy carriers by gasification
- KRZHIZHANOVSKII, G.M., POWER ENGINEERING INSTITUTE, MOSCOW, USSR
 0280 139 Heat processing of pulverized carboniferous material
- KUNREUTHER (F.) ASSOCIATES, INCORPORATED, NEW YORK, NEW YORK
 0276 64 Gasoline from coal extract, Final report
- KURCHATOV INSTITUTE OF NUCLEAR ENERGY, MOSCOW, USSR
 0677 220 Composition and properties of working fluids in open-cycle magnetohydrodynamic generators. U.S. - U.S.S.R. cooperative program in MHD power generation
- KVB, INC., IRVINE, CALIFORNIA
 0680 161 Thirty-day field tests of industrial boilers site 4 coal-fired spreader stoker
 0680 166 Thirty-day field tests of industrial boilers: Site 3-pulverized-coal-fired boiler
- KVB, INC., MINNEAPOLIS, MINNESOTA
 0580 139 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement site J (Data supplement)
 0580 144 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement - Site K - Data Supplement
 0679 183 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement - Site D
 0679 184 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement - Site C
 0680 146 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement - Site G, Data Supplement
 0680 147 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement - Site E
 0680 162 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement - Site I (data supplement)
 0680 163 Field tests of industrial stoker coal-fired boilers for emissions control and efficiency improvement - Site E (data supplement)
- KVB, INC., TUSTIN, CALIFORNIA
 0278 67 Bench scale coal liquefaction studies
 0380 153 Sulfur capture in coal flames
 0580 198 Use of PAH tracers during sampling of coal fired boilers
 0678 50 Small scale evaluation of the combustion and emission characteristics of SRC oil
 0678 259 Assessment of current and advanced NOx control technology for coal-fired utility boilers
- KYUSHU UNIVERSITY, FUKUOKA, JAPAN
 0279 88 Solvolytic liquefaction of coals with a series of solvents
 0280 235 Coal liquefaction under atmospheric pressure
 0281 125 Efficient liquefaction of Australian brown coal with a hydrogen-donating solvent under atmospheric pressure
 0282 200 Binderless moulding of green cokes delivered from solvent refined coal and ethylene tar pitch
 1081 66 Mechanism of carbonization of a semi-anthracite
 1081 78 Carbonization of an anthracene oil extract of Akabira (Japan) coal
 1081 106 Modifying ability of Q1-free coal-tar pitch to develop optical anisotropy in co-carbonizations
- KYUSHU UNIVERSITY, KASUGA, JAPAN
 0282 154 Liquefaction of subbituminous coals under apparently non-hydrogenative conditions
 1082 56 Carbonization of coals to produce anisotropic cokes. 1. Modifying activities of some additives in the co-carbonization of low-rank coals

CORPORATE AUTHOR INDEX

- 1082 57 Carbonization of coals to produce anisotropic cokes. 2. Up-grading of modification activities of petroleum process residues and their correlation with structural parameters
- L.M. VAN MORPES & SONS DIAMOND TOOLS, LTD., BASINGSTOKE, HAMPSHIRE, UNITED KINGDOM
- 0979 8 Development in drilling-fluids and methods for core-drilling
- L'INSTITUTE FRANCAISE DU PETROL, RUEIL, MALMAISON, FRANCE
- 1178 30 Impact of the Carter programme on the western European energy market
- LABORATOIRE MARCEL MATHIEU, CEDEX, FRANCE
- 0280 170 Influence of elemental composition on carbonization. Pyrolysis of kerosene shale and kukersite
- 0782 5 A possible mechanism for natural graphite formation
- LANGLEY RESEARCH CENTER, HAMPTON, VIRGINIA
- 0579 67 Measurement techniques for trace metals in coal-plant effluents - A brief review
- 0580 0 Environmental and climatic impact of coal utilization
- LARAMIE ENERGY RESEARCH CENTER, LARAMIE, WYOMING
- 0175 79 The outlook for underground coal gasification
- 0176 47 In-situ coal gasification - A unique means of energy recovery
- 0178 142 Characterization of nitrogen compounds in tar produced from underground coal gasification
- 0179 81 Field implementation of UCC research
- 0278 25 Chromatographic separation of coal liquids
- 0278 179 Analytical chemistry of liquid-fuel sources. Tar-sands, oil-shale, coal, and petroleum
- 0578 84 Coal humic substances and their application to pollution control in the synthetic fuels industry
- 0676 10 Theoretical aspects of reverse combustion in the underground gasification of coal
- 1078 70 A tabular method for obtaining empirical formulas from high resolution mass spectral data
- 1079 30 Characterization of organic material in coal by proton-decoupled carbon-13 nuclear-magnetic-resonance with magic-angle spinning
- 1079 56 Calculating heating values from elemental compositions of fossil-fuels
- LARAMIE ENERGY TECHNOLOGY CENTER, LARAMIE, WYOMING
- 0179 119 Applications of cross polarization magic-angle spinning carbon-13 NMR to in-situ coal gasification
- 0179 121 Material balance: Its applications and misapplications in underground coal gasification
- 0181 16 Status and test plan for the gasification of steeply dipping coal beds - Rawlins II
- 0181 21 DOE UCC program implementation - FY 1981
- 0182 26 A simple solvent extraction scheme employing dissolved organic carbon analysis for the characterization of organic by-products from simulated in situ coal gasification
- 0182 67 A comparison of forward combustion gasification models
- 0182 79 Permitting requirements and procedures in selected states with UCG potential
- 0182 90 A model for roof spalling and its application to predicting cavity shape for the Hanna III UCG field test
- 0781 4 Pyrometamorphism caused by the Hanna II, phases 2 and 3 underground coal gasification experiment
- 0781 5 Petrogeologic evaluation of the Hanna coal gasification site
- 0781 6 Petrographic analysis of unaltered and thermally metamorphosed coal from the Hanna, Wyoming gasification area
- 1081 111 Cross-polarization magic-angle spinning ^{13}C NMR spectra of coals of varying rank
- 1081 190 C-13 NMR on solid samples and its application to coal science
- LAURENTIAN UNIVERSITY, SUDBURY, ONTARIO
- 0782 1 Internal structure of coal seams and mechanical stability
- LAVAL UNIVERSITY, QUEBEC CITY, QUEBEC
- 1081 160 Recent advances in hydrometallurgy
- LAWRENCE BERKELEY LABORATORY, BERKELEY, CALIFORNIA
- 0278 223 Chemical changes produced in coal through the action of Lewis acid catalysts
- 0379 111 Oxydesulfurization of coal by acidic iron sulfate solutions
- 0679 190 Coal desulfurization prior to combustion

0681	134	Erosion mechanism in ductile metals
LAWRENCE LIVERMORE		
0172	13	LABORATORY, UNIVERSITY OF CALIFORNIA, LIVERMORE, CALIFORNIA
0173	11	A new concept for in-situ coal gasification
0173	13	Economic estimates of the Lawrence Livermore Laboratory concept of in-situ coal gasification
0174	26	Preliminary coal gasification experiments
0174	26	Acoustic-array methods for instrumentation of in-situ coal gasification
0174	37	An assessment of United-States energy options for project independence
0174	48	Methyl alcohol production by in-situ coal gasification
0174	63	Experiments on underground gasification of brown coal from Trimmelkam
0175	75	LLL in-situ coal gasification program, Quarterly Report, Jan. - March 1975
0176	72	LLL in-situ coal gasification program
0176	100	An in-depth evaluation of LLL's R & D program for the in-situ gasification of deep coal seams
0176	116	Basic principles of underground coal gasification
0177	45	Results from an in-situ coal gasification experiment involving explosive fracturing: Hoe Creek Experiment no. 1
0177	82	The Historical development of underground coal gasification
0177	98	In-situ coal gasification burnfront mapping by monitoring reflected high frequency electromagnetic waves
0177	105	Ground-water quality effects of an underground coal gasification experiment
0177	256	Proceedings of the third annual underground coal conversion symposium
0178	173	In-situ coal gasification: Model calculations and laboratory experiments
0178	187	LLL in-situ coal gasification program, Annual report fiscal year 1977
0178	190	Instrumentation for evaluation of in-situ recovery projects
0178	235	The underground coal gasification station at Lisichansk
0178	244	A one-dimensional model for in-situ coal gasification
0178	307	LLL environmental studies of in-situ coal gasification
0178	324	Results of a groundwater quality study near an underground coal gasification annual report fiscal year 1977
0178	325	Moving equilibrium front model for in-situ gasification
0178	344	Mechanistic theory for drying porous media
0178	401	The LLL computer system for in-situ coal gasification - Hoe-Creek II
0178	408	A simple model for locating the front of a reverse-combustion link from thermocouple-response data
0179	82	The private sector involvement in underground coal gasification
0179	86	LLL 1979 field program
0179	94	Costs of drilling, completing and linking process wells for underground coal gasification as a function of linking method, coal bed thickness and depth
0179	105	Two-dimensional transient dispersion and adsorption in porous media
0179	116	The sorptive property of coal
0179	165	Lawrence Livermore Laboratory studies solar coal gasification
0179	182	A solid-state probe for sulfur-dioxide/sulfur-trioxide based on sodium-sulfate-iodine electrolyte
0179	207	Ground subsidence resulting from underground gasification of coal
0179	208	Use of high-frequency electromagnetic waves for mapping an in-situ coal gasification burn front
0179	319	A laboratory coal gasifier facility
0180	28	Underground coal gasification experiment: Hoe Creek II
0180	81	Underground coal gasification
0180	114	Highlights of the LLL Hoe Creek No. 3 underground coal gasification experiment
0180	147	Reverse combustion in a borehole
0180	249	Solar coal gasification
0180	269	Results from the Hoe Creek No. 3, Underground coal gasification experiment
0182	60	UCG environmental research - summary and suggested projections
0182	62	Method for initiating an underground combustion process
0182	84	Technical underground coal gasification summation: 1982 status
0182	88	The large block tests
0182	89	Examination of UCG cavities for the large block test, Centralia, Washington
0182	91	Thermodynamic limits to the quality of UCG product gas
0278	227	Mechanism of coal liquefaction: a challenge to the organic chemist
0379	21	Elemental emissions from a coal-fired power-plant. Comparison of a Venturi wet-scrubber system with a cold-side electrostatic precipitator

CORPORATE AUTHOR INDEX

- 0478 316 Analytical modeling of coal mine roof behavior
 - 0479 139 Classification of roof falls in coal mines
 - 0480 136 Roof support selection: A look at total cost
 - 0578 83 Impacts of future coal use in California. Energy Analysis Program, November, 1978
 - 0579 116 Physical and chemical characterization of aerosol emissions from coal-fired power plants
 - 0580 118 Environmental report: Proposed underground coal gasification experiment in the Tono Basin, Washington State
 - 0677 53 Silica vaporization and condensation: A potential source of fouling in coal combustion
 - 0678 265 An analytical study of intake tuning for helical-rotor expanders
 - 0679 104 Chemical studies of stack fly-ash from a coal-fired power-plant
 - 0680 29 Application of surface-deposition models to size-fractionated coal fly-ash
 - 0680 156 Evolution of particulate emissions from a coal-fired power plant - dissertation
 - 0776 15 Evaluation of the native hydraulic characteristics of the Felix coal (Eocene, Wasatch formation) and associated strata, Hoe-Creek site, Campbell County, Wyoming
 - 0778 21 Interpretations of field hydraulic tests in explosion-fractured coal: Hoe Creek, Site characterization to experiment No. 1
 - 1074 1 Coal-fracture measurements using in-situ electrical methods: Preliminary results
 - 1077 68 Thermophysical and transport properties of metals at high pressure and very high temperature
 - 1078 44 Characterization of trace-element emissions from coal-fired power-plants
 - 1079 106 Filtration studies with neutron-activated coal fly-ash
- LEDGEMONT LABORATORY, KENNECOTT COPPER CORPORATION, LEXINGTON, MASSACHUSETTS
- 0377 50 Sulfur removal from coals: Ammonia/oxygen system
 - 1073 6 Trace impurities in coal by wet chemical methods
- LEEDS & NORTHRUP COMPANY, NORTH WALES, PENNSYLVANIA
- 0677 25 On line particulate analysis for advanced combustion systems
 - 0677 164 An on-line particulate analyzer for fluidized-bed combustion systems
- LEHIGH UNIVERSITY, BETHLEHEM, PENNSYLVANIA
- 0177 268 Fracture mechanics and surface chemistry studies of steels for coal gasification systems
 - 0177 271 Development of a modular software system for the dynamic simulation of coal conversion plants. Annual report, June 1976 to June 1977
 - 0179 277 Development of a modular software system for the dynamic simulation of coal conversion plants. final report
 - 0180 215 Fracture mechanics and surface chemistry studies of steels for coal gasification systems
 - 0180 254 Large scale dynamic process simulation experience: effect of Jacobian structure on Integrator performance
 - 0277 25 Chemical characterization, handling, and refining of SRC to liquid-fuels, Final Report on Task 3: Handling characteristics of SRC
 - 0677 42 Analysis of power cycles with centrifugal fluidized-bed coal combustion
 - 0677 200 Centrifugal fluidized combustion of coal
 - 0677 203 Bed dynamics and heat-transfer at surface of immersed tubes in fluidized-beds
 - 0678 90 Centrifugal fluidized combustion of coal. Annual report for period ending Sept. 1977
 - 0679 50 Centrifugal fluidized combustion of coal
 - 0680 24 Direct observation of the mesophase in coal
 - 0681 64 Correlation between ash-fusion temperatures and ternary equilibrium phase diagrams
 - 1078 48 Catalytic synthesis of methanol from carbon monoxide/hydrogen gas
- LEIGH INTERESTS LIMITED, BIRMINGHAM, UNITED KINGDOM
- 0580 72 Treating thick mobile wastes to produce solid fuel
- LEO KANNER ASSOCIATES, REDWOOD CITY, CALIFORNIA
- 0178 409 Considerations on coal gasification
- LEWIS ALDERMAN, SCARBOROUGH, ONTARIO
- 0181 43 Method for operating a battery of coke ovens

- 0280 232 Effects of impurities in coal-derived liquids on accelerated hot corrosion of superalloys
 0280 277 Deposition and material response from Mach 0.3 Burner Rig Combustion of SRC-II Fuels
 0281 109 The effects of trace impurities in coal-derived liquid fuels on deposition and accelerated high temperature corrosion of cast superalloys
 0581 76 Effect of fuel nitrogen and hydrogen content on emissions in hydrocarbon combustion
 0677 161 NASA's pressurized fluidized-bed
 0678 49 Evaluation of the ECAS open-cycle MHD power-plant design
 0678 171 Effect of thermal barrier coatings on the performance of steam and water-cooled gas-turbine/steam-turbine combined-cycle systems
 0679 1 Airfoil cooling hole plugging by combustion gas impurities of the type found in coal-derived fuels
 0679 4 MHD performance calculations with oxygen enrichment
 0679 5 Performance optimization of an MHD generator with physical constraints
 0679 27 Gas-turbine critical research and advanced technology support project: FY 1978 annual report
 0680 0 Status of the DOE/NASA critical gas-turbine research and technology project
 0680 68 Measuring combustion inefficiency based on the solid effluents from a combustor burning coal with limestone
 0680 136 Improved PFB operations: 400-hour turbine test results
 0680 170 Factors affecting cleanup of exhaust gases from a pressurized, fluidized-bed coal combustor
 0681 14 Effect of sodium, potassium, magnesium, calcium, and chlorine on the high temperature corrosion of IN-100, U-700, IN-792, and MAR M-509
 1073 13 Trace-elements by instrumental neutron activation analysis for pollution monitoring
 1076 29 Computer program for calculation of complex chemical equilibrium compositions, rocket performance, incident and reflected shocks, and Chapman - Jouguet Detonations (Report only)

LILLE UNIVERSITY, CEDEX, FRANCE

- 0480 202 Propagation of UHF electromagnetic waves in mine tunnels

LINHARDT & ASSOCIATES, INC., NEWPORT BEACH, CALIFORNIA

- 0180 197 Investigation of high velocity separator for particle removal in coal gasification plants, phase II report

LIQUEFIED COAL DEVELOPMENT CORPORATION, CRESAP, WEST VIRGINIA

- 0278 114 Evaluation of pump materials in coal liquefaction service, Special report
 0279 26 Materials performance report test 1100/pumps

LLOYDS BANK, LONDON, UNITED KINGDOM

- 1181 15 Alternative to OPEC oil - Investment costs and financing prospects

LNG SERVICES, INC., PITTSBURGH, PENNSYLVANIA

- 0175 11 Combining capital, technology, and markets to build commercial coal gasification plants.

LOCKER INDUSTRIES LIMITED

- 0879 18 Cutting out delays in the bulk loading of coal vehicles

LOCKHEED MISSILES AND SPACE COMPANY, INC., LOCKHEED PALO ALTO RESEARCH LABORATORY, SUNNYVALE, CALIFORNIA

- 0177 119 Development of dry coal-feeders
 0177 292 Coal feeder development program: Annual Report 1977
 0676 14 Coal feeder development program, Annual Report 1976

LOCKHEED PALO ALTO RESEARCH LABORATORIES, METALLURGY AND COMPOSITES LABORATORY, PALO ALTO, CALIFORNIA

- 0177 132 Thermodynamic phase stability diagrams for the analysis of corrosion reactions in coal gasification/combustion atmospheres

LOMONSOV STATE UNIVERSITY, MOSCOW, USSR

- 0281 258 Coal-derived liquid fuels provide H/2 for fuel cell power, vehicle propulsion

- LONG AIRBOX CO., OAK HILL, WEST VIRGINIA
0482 81 Developments in continuous haulage for coal mining
- LOS ALAMOS SCIENTIFIC LABORATORY, UNIVERSITY OF CALIFORNIA, LOS ALAMOS, NEW MEXICO
0174 66 Conceptual design of a heat pipe methanator
0177 99 Heat-transfer through coals and other naturally occurring carbonaceous rocks
0178 82 Electrochemical engines for power generation and load-leveling at sites for underground coal conversion
0178 83 Underground thermal generation of hydrocarbons from dry, Southwestern coals
0178 85 Permeability enhancement using explosive techniques
0178 195 Convective heat-transfer through coal blocks
0178 410 Combined CO//2-O//2 underground pyrolysis-gasification of southwestern coals, Quarterly Report, July-Sept. 1977
0179 64 Water use for coal gasification: how much is appropriate?
0179 117 Kinetics of sub-bituminous coal drying
0179 338 Combined CO//2-O//2 underground pyrolysis-gasification of southwestern coals, Quarterly Report October - December, 1977
0179 339 Combined CO//2-O//2 underground pyrolysis-gasification of southwestern coals, Quarterly Report January - March 1978
0180 258 An investigation of simultaneous heat and mass transfer in subbituminous coal
0180 263 Sorption of moisture and methane on fruitland coal
0181 180 Laser simulation of solar pyrolysis and gasification using static coal samples
0280 341 A preliminary assessment of environmental, health, and safety issues in coal liquefaction
0576 15 Disposal of coal preparation wastes: Environmental considerations
0577 74 Trace-element characterization and removal/recovery from coal and coal wastes
0577 85 Coal aerosol research and development, 1972 - 1975, final report
0578 51 Physics related problems of coal-fired power-plant pollution
0578 60 Elemental deposition downwind of a coal-fired power-plant
0578 61 Trace-element characterization of coal wastes - First annual report
0580 9 Trace-element contamination of drainage from coal cleaning wastes
0580 12 Elemental concentrations in NBS biological and environmental standard reference materials
0580 61 Trace-elements in vegetation downwind of a coal-fired power-plant
0581 37 Elemental composition of size-fractionated aerosols associated with a coal-fired power plant plume and background
0581 40 Environmental control technology for contaminated coal refuse drainage
0581 86 Leaching experiments on coal preparation wastes: Comparisons of the EPA extraction procedure with other methods
0676 40 A review of trace element studies related to coal combustion in the four corners area of New Mexico
0678 61 Observations on boron release from coal-fired power-plants
0679 7 Rocky-Mountain coal for southern California's coal-fired electric-power generation
1077 62 A new standard for electron microanalysis of organic sulfur in coal
1078 53 High-temperature carbon-dioxide/oxygen-coal reaction rate experiments
1078 60 Trace-element distributions in several coal conversion processes
1080 63 Cellulose thermally decomposes at 70-degrees-C
1179 9 An assessment of national consequences of increased coal utilization, executive summary, Volume 1
1179 10 An assessment of national consequences of increased coal utilization, executive summary, Volume 2
1180 29 American Indians and national energy policy
- LOUISIANA GEOLOGICAL SURVEY, BATON ROUGE, LOUISIANA
0480 220 Coal
- LOUISIANA STATE UNIVERSITY, BATON ROUGE, LOUISIANA
0180 162 Chemical and physical characterization of Fe-Ru mixed metal catalysts on Y-type zeolites
- LOUISVILLE GAS & ELECTRIC COMPANY, LOUISVILLE, KENTUCKY
0580 27 Operation of C-E flue-gas desulfurization system for high sulfur coal at Louisville Gas & Electric Company, Cane Run 5

- LOVELACE BIOMEDICAL AND ENVIRONMENTAL RESEARCH INSTITUTE, ALBUQUERQUE, NEW MEXICO
 0182 58 Lipid-soluble metal compounds in a coal gasifier process stream
 0580 199 Chemical characterization of polynuclear aromatic hydrocarbons in airborne effluents from an experimental fluidized bed combustor
 0680 83 Respirable aerosols from fluidized bed coal combustion - 1. Sampling methodology for an 18-inch experimental fluidized bed coal combustor
 0680 84 Respirable aerosols from fluidized bed coal combustion - 2. Physical characteristics of fly-ash
- LOYOLA UNIVERSITY, CHICAGO, ILLINOIS
 1081 82 Aromaticities of various coals measured by reaction with fluorine and TGA-DTA studies of the reaction products
- LUMMUS COMPANY, BLOOMFIELD, NEW JERSEY
 0177 206 Measurement of pressure, fluidized-bed level, and density in the Synthane pilot-plant coal gasifier
 0178 77 Synthane - A process for the gasification of caking and noncaking coals
 0178 234 Hot and dry char letdown system for the synthane pilot-plant. Phase III activities--Brief final report
 0178 309 Synthane pilot-plant, South Park Township, Pennsylvania
 0178 384 Synthane pilot plant, South Park Township, Pennsylvania - final report
 0179 162 Materials performance at the Synthane coal gasification plant
 0180 94 Coal gasification effluent treatment
 0180 126 Production of pipeline gas from coal
 0182 34 Chemicals and aromatics production from coal
 0274 17 Coal liquefaction
 0274 18 Coal liquefaction
 0276 27 The application of Lummus Antisolvent deashing technology to a Solvent-Refined-Coal solution
 0277 20 The application of Lummus-Antisolvent-Deashing technology to a well converted solvent-refined-coal solution
 0278 159 Developmental research program for clean industrial and transportation fuels from coal
 0278 176 Catalyst withdrawal and addition in a coal liquefaction process
 0279 70 Antisolvent deashing
 0279 119 Two-step coal liquefaction is a hydrogen efficient route to distillate fuels
 0279 124 The C-E Lummus clean fuel from coal process
 0279 226 Developmental research program for clean industrial and transportation fuels from coal - Milestone Report on Process Variable Studies, July 1978-February 1979
 0280 138 Gravity settling process
 0280 145 Dual delayed coking of coal liquefaction product
 0280 154 Separation of insoluble material from coal liquefaction product
 0280 284 Production of gasified products from ash containing bitumen produced in coal liquefaction
 0280 319 Advanced coal liquefaction processes emphasize low hydrogen consumption
 0281 198 LC-Fining support activities for two-stage liquefaction
 0281 351 Upgrading solvent-refined coal by hydrogenation
 0282 108 Bottom-of-the-barrel upgrading economics
 0282 73 Coal-fired process heaters?
 0678 78 Developmental research program for clean industrial and transportation fuels from coal, milestone report on solvent self sufficiency with equilibrium solvent and catalyst life testing period August 1977 - July 1978
 0679 3 Recovery and upgrading of heavy oil analyzed
- 1080 56
- LUMMUS COMPANY, NEW BRUNSWICK, NEW JERSEY
 0280 309 LC-fining of solvent refined coal - SRC-I and short contact time coal extracts
 0281 241 LC-fining of solvent-refined coal. SRC-I and short-contact-time coal extracts
- LUOSSAARA KIIRUNAVAARA AB, STOCKHOLM, SWEDEN
 0477 138 Open-pit or underground mining
- LURGI CHEMIE UND HUETTEKTECHNIK, FRANKFURT, GERMANY
 0673 7 Combustion in a circulating fluid-bed
 0681 56 Circulating fluid bed combustion for energy

LURGI MINERALOLITECHNIK GMBH, FRANKFURT/MAIN, GERMANY

- 0172 20 The Lurgi Process, the route to synthetic-natural-gas from coal
- 0174 27 The Lurgi Pressure gasification
- 0174 28 Lurgi Information - Processing of American-coals in a Lurgi gasifier
- 0175 36 Lurgi Information - Conversion of coal to high-value products
- 0176 39 Present status and further developments of Lurgi pressure gasification process
- 0177 116 Comparative description of coal-feeding systems for fixed-bed pressure gasification
- 0180 184 How to apply coal gasification
- 0180 293 Some evaluations on phase equilibria for coal gas condensates
- 0280 54 Convert coal now
- 0280 55 Methanol from coal uses proven steps
- 0281 251 Low-investment carbonization process for coals makes liquid, gas, and boiler fuel
- 0282 111 Synthetic fuels from Lurgi coal pyrolysis
- 1179 18 Energy perspectives

LUSCAR LTD., EDMONTON, ALBERTA

- 0479 261 Waste dump instability and its operational impact for a Canadian Plains lignite mine
- 0480 19 Luscar's coal mining operations
- 0480 39 Quinsam coal project

LYNDON B. JOHNSON SPACE CENTER, HOUSTON, TEXAS

- 0174 8 Coal conversion and usage - A systems study

M.D. RESEARCH COMPANY, PTY. LIMITED, NORTH RYDE, AUSTRALIA

- 0882 52 Power characteristics of two principal axial impeller types for slurry holding tanks

M.H. DETRICK COMPANY, LINWOOD, NEW JERSEY

- 0882 22 Pipe behavior in bottom ash slurry systems

M.W. KELLOGG COMPANY, HOUSTON, TEXAS

- 0181 46 Coal to ammonia: Its status
- 0275 27 Comparison of flue gas desulfurization, coal liquefaction for use at a coal fired power plant
- 0281 222 Coal can be gasoline

MACOL MARKETING MINING SYSTEM LIMITED, CHESTERFIELD, UNITED KINGDOM

- 0479 155 Supporting equipment for full-face and other rapid tunnelling systems

MAGNETIC CORPORATION OF AMERICA, WALTHAM, MASSACHUSETTS

- 0380 149 Coal preparation using magnetic separation, Volume 2

MAGNETIC ENGINEERING ASSOCIATES, INC., CAMBRIDGE, MASSACHUSETTS

- 0677 258 Final engineering report on the dual mode magnet for high performance demonstration experiment

MAIN MINING INSTITUTE, KATOWICE, POLAND

- 0679 128 Power evaluation of an experimental specimen of the Ugole K-4 central heating stove in the combustion of Polish cannel coals

MANAGEMENT ENGINEERS INC., RESTON, VIRGINIA

- 0479 187 The effects of long-term coal supply contracts on technology adoption and improvements in the mining of coal, final technical report

MANALYTICS, INC. SAN FRANCISCO, CALIFORNIA

- 0880 0 Cost models for coal transportation by common carrier

CORPORATE AUTHOR INDEX

- MANHATTAN COLLEGE, RIVERDALE, NEW YORK
0182 19 Scaleup fluid bed reactors
- MANHATTAN COLLEGE, THE BRONX, NEW YORK
0678 211 Control technology for fine-particulate emissions
- MANSOURA UNIVERSITY, MANSOURA, EGYPT
1079 167 Changes in the sorption properties of coal and cokes due to storage in ambient air
- MANVILLE PRODUCTS CORPORATION, DENVER, COLORADO
0682 7 Replacing refractory linings in fired heaters
- MAP INC., BERKELEY, CALIFORNIA
0681 108 Flexibility of scale in large conventional coal-fired power plants
- MARCHWOOD ENGINEERING LABORATORIES, CEEB, LONDON, UNITED KINGDOM
0679 118 Sulphuric-acid vapor concentrations in flue-gas from fluidized combustors
- MARCHWOOD ENGINEERING LABORATORIES, MARCHWOOD, SOUTHAMPTON, HAMPSHIRE, UNITED KINGDOM
0676 27 Fluidized-bed combustion of coal for power generation
0677 89 Deposition of inorganic material in oil-fired boilers
0678 116 Solids mixing in fluidized-beds of large particles
- MARINE SCIENCES RESEARCH CENTER, STONY BROOK, NEW YORK
0581 29 Coal waste artificial reef program, phase 3, volume 2: comprehensive report
- MARKHAM AND COMPANY, UNITED KINGDOM
0480 111 Experiences of a manufacturer of pneumatic equipment
- MARQUETTE UNIVERSITY, MILWAUKEE, WISCONSIN
0178 265 A thermodynamic-economic analysis of the synthane process. Final report
0180 49 Second-law efficiency analysis of a coal gasification process
0180 67 Second-law costing applied to coal gasification
0881 16 A regional railroad network optimization model for coal transportation
1078 122 The carbon-13 nuclear-magnetic-resonance solid-state spectroscopy of various classes of coals
- MARSHALL UNIVERSITY, HUNTINGTON, WEST VIRGINIA
1081 45 Chemical and mineralogical differences between Kittanning coals from marine-influenced versus fluvial sequences
- MARTIN ENGINEERING COMPANY, NEPONSET, ILLINOIS
0477 102 Safely evacuating coal from hoppers/silos with pneumatic blasting
- MARTIN MARIETTA AEROSPACE, BALTIMORE, MARYLAND
0579 85 Air quality impact of converting the C.P. crane power plant to higher sulfur content fuels
- MARTIN MARIETTA AEROSPACE, DENVER, COLORADO
0180 32 Application of centrifugal separation to the production of hydrogen from coal
0381 120 Removal of organic sulfur from coal
- MASCHINENFABRIK BUCKAU R. WOLF AKTIENGESSELLSCHAFT, GREVENBROICH, GERMANY
0380 76 Method for dewatering froth fines
- MASON AND HANGER SILAS MASON COMPANY, INC., LEXINGTON, KENTUCKY
0178 291 Coal gasification project: Douglas site, Pike County, Kentucky. Annual report. April 1977 - March 1978

- MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS
- 0173 37 Deuterium and carbon-13 tagging studies of the plasma pyrolysis of coal
- 0174 64 Apparatus for determining high pressure coal-hydrogen reaction kinetics under rapid heating conditions
- 0174 65 Rapid devolatilization and hydrogasification of pulverized coal - dissertation
- 0176 121 Coal devolatilization and hydrogasification
- 0176 125 Rapid devolatilization and hydrogasification of bituminous coal
- 0177 130 Basic studies of coal pyrolysis and hydrogasification, Quarterly Progress Report for the period Jan. 1977 - March 1977
- 0178 137 Basic studies of coal pyrolysis and hydrogasification, Quarterly Progress Report for the period Oct. 1977 - Dec. 1977
- 0178 376 Product composition and kinetics of lignite pyrolysis
- 0179 151 A single coal particle gasification model
- 0179 280 Kinetics of char burnout and ash vaporization in coal-fired MHD combustors
- 0180 66 System of multiphase reactor models for the ASPEN process simulator and their applications to coal conversion reactors
- 0180 113 Effect of calcined dolomite on the fluidized bed pyrolysis of coal
- 0180 285 Critical studies in the rapid pyrolysis and hydropyrolysis of coal - Project Report July 1, 1979 - March 31, 1980
- 0181 71 Stoichiometric analysis of synthetic fuels and chemicals from coal
- 0181 134 The effect of homogeneous gas phase oxidations in char particle gasification
- 0181 166 The ASPEN input language for computer-aided process design
- 0182 7 Mineral matter effects on the rapid pyrolysis and hydropyrolysis of a bituminous coal. 1. Effects on yields of char, tar and light gaseous volatiles
- 0278 150 Computer-aided industrial process design. The ASPEN project. Second annual report, June 1977 - May 1978
- 0278 222 A comparison of the rapid pyrolysis of a lignite and a bituminous coal
- 0279 33 Computer-aided industrial process design. The ASPEN project. Third annual report for June 1978 - May 1979
- 0279 79 Silylation: A method for benzene solubilization of benzene-insoluble, pyridine-soluble coal-derived products
- 0280 266 Preparation and characterization of active niobium, tantalum and tungsten metathesis catalysts
- 0280 275 Characterization of heat transfer in preheaters of bench-scale, solvent-refined coal apparatus
- 0281 13 Stoichiometric analysis of synthetic fuels and chemicals from coal
- 0281 127 Effect of carbon formation on liquid viscosity and performance of Fischer-Tropsch bubble-column reactors
- 0281 201 Carbon number distribution of Fischer-Tropsch products formed on an iron catalyst in a slurry reactor
- 0282 39 Magnetic separation and thermo-magneto-chemical properties of coal liquefaction mineral particulates
- 0282 93 Coal pyrolysis by hot dolomitic solids from a fluidized bed combustor
- 0282 131 Product distribution from iron catalysts in Fischer-Tropsch slurry reactors
- 0378 48 Magnetite recovery in coal washing by high gradient magnetic separation
- 0378 67 High-gradient-magnetic-separation in coal desulfurization
- 0581 33 Reduction of nitric oxide by coal char at temperatures of 1250-1750 K
- 0581 36 NO formation and reduction in fluidized bed combustion of coal
- 0581 54 The formation of inorganic particulates by homogeneous nucleation in gases produced by the combustion of coal
- 0675 14 Open-cycle coal-fired MHD power generation. Final report, May 1971 - May 1975
- 0675 17 Rapid devolatilization of pulverized coal
- 0677 127 Superconducting magnetohydrodynamics magnet development program, Phase 1, Annual progress report No. 1
- 0677 129 Critical contributions in MHD power generation, Annual report, June 1976 - May 1977
- 0677 198 System model and data base system for fluidized-bed combustion
- 0678 89 Modeling of fluidized-bed combustion of coal, Final reports
- 0678 124 Mathematical model for predicting efficiency of fluidized-bed steam generators
- 0678 263 Scientific and technical problems in erosive wear
- 0679 158 Critical contributions in MHD power generation, final technical progress report, June 1, 1975 - December 30, 1978, Vol. 1 and 2
- 0680 7 Physical interpretation of the feasibility region in the combustion of char by use of single and double film theories
- 0680 38 Product compositions in rapid hydropyrolysis of coal
- 0680 178 Laboratory studies of mineral matter vaporization during coal combustion
- 0681 28 NO/char reactions at pulverized coal flame conditions
- 0681 29 Nitrogen-containing polycyclic aromatic compounds in sooting flames
- 0681 49 Vaporization and condensation of mineral matter during pulverized coal combustion

- 0681 105 Multiplicity patterns in atmospheric fluidized bed coal combustors
 0681 123 Single, particle-size model for sulfur retention in fluidized bed coal combustors
 0681 150 Application of an interim fluidized bed combustor system model and an interim fluidized bed combustor data base management system to plant design
- 0681 151 A model of the fluid mechanics in fluidized bed combustors
 0681 179 Modeling of fluidized-bed combustion of coal: Final Reports, Volume I. Model evolution and development
 0882 17 Abrasiveness of fine grain particles in slurry machinery
 1081 4 Coal pyrolysis - fundamentals pertinent to coal utilization
 1081 90 Effects of calcium minerals on the rapid pyrolysis of a bituminous coal
 1081 204 Modeling of gas sorption kinetics in coal
 1177 25 Control and dynamic analysis of a wind energy conversion and storage system operating at constant velocity ratio
- 1180 35 World coal study. Coal - bridge to the future
 1181 39 Overview of the world coal study
- MATERIALS CONSULTANTS & LABORATORIES, INC., MONROEVILLE, PENNSYLVANIA
 1080 120 Evaluation of an optical microscope method for coal-pyrite/marcasite differentiation
- MATLA COAL LIMITED, KRIEL, TRANSVAAL, SOUTH AFRICA
 0480 4 The selection and performance of continuous miners at Matla coal
- MATTHEY BISHOP INCORPORATION, MALVERN, PENNSYLVANIA
 0180 148 Ruthenium catalysts improve methanation
- MAVERICK EXPLORATION COMPANY, ENGLEWOOD, COLORADO
 0182 75 Colorado lignite for underground coal gasification
- MCDONNELL DOUGLAS ELECTRONICS COMPANY, ST. CHARLES, MISSOURI
 0478 195 Development of operational aids for improved dragline utilization, Volume 3, System manual for the dragline simulation model, Final Report
 0478 196 Development of operational aids for improved dragline utilization, Volume 1, Final Report
 0478 250 Development of operational aids for improved dragline utilization, Volume 2, System manual for the dragline display and information gathering system, Final report, Contractor - McDonnell Douglas Electronics Company
 0479 193 Operational aids for improved dragline utilization
- MCDOWELL WELLMAN COMPANY, CLEVELAND, OHIO
 0174 16 Wellman-Galusha Process Technology and Economic feasibility for low-Btu-coal gasification
 0380 31 Pelletizing cleans up high-sulfur coal
 0380 52 Converting high sulfur coal to clean pellet fuel
- MCGILL UNIVERSITY, MONTREAL, QUEBEC
 0280 111 Investigation of coal liquefaction processes: Final report
 0282 177 Effect of ultrasonic energy on coal extraction by specific solvents
 0381 96 Interfacial phenomena in coal flotation systems
 0678 118 Entrainment of particles from aggregative fluidized-beds
 1080 190 Compressive strength of a bituminous coking coal
- MCGRAW HILL WORLD NEWS, ASHLAND, KENTUCKY
 0682 24 Prospects rise and fall in COM market
- MCGRAW HILL WORLD NEWS, LONDON, UNITED KINGDOM
 0580 79 NCB refines waste dumping
- MCGRAW HILL WORLD NEWS, NEW YORK, NEW YORK
 0482 26 British mines monitor for face delays
 0482 83 Bow Valley - A foreign success story
 0882 61 Rotterdam slows port development

1182 15 Declining demand for electricity and steel slow coal sales

MCGRAW HILL WORLD NEWS, TOKYO BUREAU, TOKYO, JAPAN

0479 87 Slurry pumped 3000-foot vertically

MCILVAINE COMPANY, NORTHBROOK, ILLINOIS

0579 27 Particulate control for coal-fired boilers

MCINTYRE MINES LIMITED, GRANDE CACHE, ALBERTA

0481 57 Coal mining at the Smoky River minesite, McIntyre Mines Limited

MCKEE ENGINEERS AND CONSTRUCTORS, HOUSTON, TEXAS

0679 161 Converting existing boilers to coal-oil mixture

MCMASTER UNIVERSITY, HAMILTON, ONTARIO

0178 134 Chain growth in the Fischer-Tropsch synthesis - a computer simulation of a catalytic process

0180 139 Nitrided iron catalysts for the Fischer-Tropsch synthesis in the eighties

MCNEIL LABORATORIES, INC., FORT WASHINGTON, PENNSYLVANIA

1073 19 Trace-element emissions: Aspects of environmental toxicology

MECHANICAL TECHNOLOGY, INC., LATHAM, NEW YORK

0176 38 Design, develop, and manufacture process-gas lubricated hot recycle gas-circulators, Final technical report

0176 110 Design study for high-pressure high-flow oxygen centrifugal compressor: Phase-1, final report

0177 97 Centrifuges for coal conversion and related processes, Phase I, Feasibility Study

0177 169 Review and evaluation of failures, maintenance, and operability data for carbon-dioxide-acceptor plant mechanical equipment

MELBOURNE RESEARCH LABORATORY, MELBOURNE, AUSTRALIA

0278 99 Pilot-plant studies of coal hydrogenation

MEMORIAL UNIVERSITY OF NEWFOUNDLAND, ST. JOHN'S, NEWFOUNDLAND

0382 28 Treatment of fuel peat to enhance moisture removal

MEMPHIS FUEL GAS DEMONSTRATION PLANT, MEMPHIS, TENNESSEE

1180 19 Status reports on synthetic fuels projects

MEMPHIS LIGHT, GAS AND WATER DIVISION, MEMPHIS, TENNESSEE

0180 239 Memphis demonstration plant program for coal gasification

MEPPSCO, INC., BOSTON, MASSACHUSETTS

0676 37 Conceptual design of a CDIF instrumented test section - final report

0677 223 Final report on the design of the MHD generator channel for the high performance demonstration experiment

0677 259 CDIF-MHD generator system conceptual design - final report

METAL PROPERTIES COUNCIL, INC., NEW YORK, NEW YORK

0177 270 A program to discover materials suitable for service under hostile conditions operating in equipment for the gasification of coal and other solid fuels, Annual progress report, January 1976 - December 1976

0178 204 A program to discover materials suitable for service under hostile conditions obtaining in materials for the gasification of coal and other solid fuels, Appendices, Supplement to annual progress report, January - December 1977

0178 322 A program to discover material suitable for service under hostile conditions obtaining in equipment for the gasification of coal and other solid fuels, Annual Progress Report, Jan. - Dec. 1977

0179 46 A program to discover materials suitable for service under hostile conditions obtaining in equipment for the gasification of coal and other solid fuels, Annual progress report for the period January 1978 to December 1978

0179 75 A program to discover materials suitable for service under hostile conditions obtaining in equipment for the gasification of coal and other solid fuels, Annual progress report for the period January 1978 to December 1978

- gasification of coal and other solid fuels, appendices, supplement of annual progress report for period January 1978 to December 1978
- METALLGESELLSCHAFT AKTIENGESellschaft, FRANKFURT, GERMANY
0180 116 Process of scrubbing polyvalent phenols from gas
- METIKI COAL CORPORATION, UNITED STATES
0481 13 Development of pitching seam for maximum productivity
- MICHAEL BAKER JR. INC., BEAVER, PENNSYLVANIA
0479 256 Engineering properties of coal mine refuse
- MICHIGAN STATE UNIVERSITY, EAST LANSING, MICHIGAN
0680 221 Baghouse installation on pulverized coal-fired boilers burning low-sulfur eastern coals at Michigan State University
0778 22 Coal resources of the Americas. Selected papers
- MICHIGAN TECHNOLOGICAL UNIVERSITY, HOUGHTON, MICHIGAN
0380 56 Method for agglomerating carbonaceous fines
0477 118 Study of mine fires and mine ventilation. Part I. Computer simulation of ventilation systems under the influence of mine fires
0480 201 Optimal voltage selection in underground coal mine power systems
1080 55 Interaction between deformation, fracture initiation and fracture propagation in two phase Co-Coal alloys
1082 67 Coal decomposition: effects of heating rate and furnace atmosphere
- MIDDLE EAST TECHNICAL UNIVERSITY, ANKARA, TURKEY
0179 342 Catalytic hydrogenation of Turkish lignites to oxygen free oil and gas
1079 63 Pyridine extracts of solid fuels
- MIDLAND ROSS CORPORATION, TOLEDO, OHIO
0178 184 Improved methanation system for use in coal gasification, Final report
- MIDREX CORPORATION, CHARLOTTE, NORTH CAROLINA
0180 27 Direct reduction of iron and production of fuel gas using gas from coal
0180 110 Method for the direction reduction of iron using gas from coal
0380 74 Method for producing molten iron by submerged combustion
- MIDWEST RESEARCH INSTITUTE, KANSAS CITY, MISSOURI
0281 66 Microautoclave study of liquefaction reactivities of a coal and of an extruded coal
0577 64 Impact of particulates and sulfur dioxide from coal-fired power-plants on acid-rain
0677 64 Evaluation of sulfate-bearing waste material from fluidized-bed combustion of coals for soil stabilization
0677 93 Direct mass-spectrometric sampling of corrosion related gaseous species from laboratory pulverized coal air flames
0677 243 Direct sampling and characterization of gaseous species responsible for fireside corrosion in fossil-fuel-fired systems. Annual report, Phase-1, April 1976 - July 1977
- MINE AND QUARRY, LONDON, UNITED KINGDOM
0481 80 Current British developments in haulage and transport
- MINE SAFETY & HEALTH ADMINISTRATION, ARLINGTON, WEST VIRGINIA
0481 54 Instantaneous circuit breaker settings for the short-circuit protection of three-phase 480-, 600-, and 1040-v trailing cables
- MINE SAFETY & HEALTH ADMINISTRATION, TRIADPHILIA, WEST VIRGINIA
0481 53 Instantaneous circuit breaker settings for the short-circuit protection of direct current 300-and 600-v trailing cables

- MINING & RECLAMATION COUNCIL OF AMERICA, USA
1181 28 The future of the coal industry
- MINING ACADEMY OF FREIBURG, FREIBURG, GERMANY
0478 285 Processes and conditions of cohesionless loose rock deformations in brown-coal mining due to seepage flow
- MINING ASSOCIATION OF CANADA, OTTAWA, ONTARIO
0477 76 Mining practice guide for the Canadian mining and metallurgical industries
- MINING ELECTRONIC EQUIPMENT, ST CHARLES, MISSOURI
0482 46 Stimulated open-pit mining conditions used to teach dragline operators
- MINING ENFORCEMENT AND SAFETY ADMINISTRATION, ARLINGTON, VIRGINIA
0476 29 Second Institute on Coal Mine Health and Safety
0477 93 Third Institute on Coal Mine Health and Safety
- MINING INVESTIGATIONS AND DESIGNS, KATOWICE, POLAND
0479 222 Coal mining in Poland: methods, production and development
- MINING PROGRESS, INC., CHARLESTON, WEST VIRGINIA
0479 100 Longwall mining in America
- MINING RESEARCH & DEVELOPMENT ESTABLISHMENT, UNITED KINGDOM
0479 157 Role of computers in British coal mining
- MINING TECHNOLOGY CLEARING HOUSE, STAFFORDSHIRE, UNITED KINGDOM
0179 22 Project Register 6 - 79. In-situ coal conversion
0379 5 Project Register 5 - 79. Coal preparation
0382 22 R & D Commentary - Oil agglomeration of coal fines
0477 26 Monitoring and control of machines and mining systems
0477 161 Project Register No. 004/77. Reliability
0478 11 Technical Investigation: Trackless transport for men and materials
0478 12 Coal Seam Exploration Techniques
0478 17 Coal seam exploration techniques
0478 18 Monitoring and control of machines and mining systems
0478 19 Mining methods to improve reserve recovery
0479 6 Project Register 4 - 79. Surface Mining
0479 8 Project Register 8 - 79: Communication; monitoring and control
0479 9 Project Register 3 - 79. Coal winning underground
0479 48 Project Register 12-79. Mining Hazards
0479 49 Power supplies
0479 50 Mobile power sources
0479 53 Project Register 15-79: Materials research and development
0482 1 R & D information summary
0579 37 Project Register 11-79: Health and environment
0779 2 Project Register 1 - 79. Prospecting, surveying and mine planning
0877 4 Hydrotransport of solids underground
0878 10 Technical Working Group on Hydrotransport
0878 18 Technical Working Group on Hydrotransport
0878 51 Hydrotransport, Progress Statement as at December 1978
0879 0 Mining Technology Clearing House, Project Register 9 - 79. Transport
0879 19 Trackless transport for men and materials
0881 1 Hydrotransport cooperative programme. Notes of meeting held on Feb 23-24, 1981
1179 13 Project Register 13-79. Planning and Management
1182 8 R&D Information Summary No. 2

- MINISTER ACHENBACH AND WALTROP MINES, RUHRKOHLE, AG, GERMANY
0480 69 Longwall mining in big and pitching seams in Germany
- MINISTRY OF ENERGY, MANILA, PHILIPPINES
1181 44 The Philippines' five-year energy program: 1981-85
- MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES, VICTORIA, BRITISH COLUMBIA
0481 23 COALMOD: A financial analysis and policy simulation model for coal mining developments
- MISSISSIPPI STATE UNIVERSITY, MISSISSIPPI STATE, MISSISSIPPI
0677 248 Testing and evaluation of MHD materials and sub-structures. Annual technical progress report, July 1976 - June 1977
0678 220 Testing and evaluation of MHD materials and substructures. Annual technical progress report for July 1977 - June 1978
- MISSOURI CLEAN WATER COMMISSION, MACON, MISSOURI
0574 34 Acid strip mine lake recovery
- MISSOURI DEPARTMENT OF NATURAL RESOURCES, ROLLA, MISSOURI
1076 28 Chemical analyses of selected Missouri coals and some statistical implications
- MISSOURI GEOLOGICAL SURVEY, ROLLA, MISSOURI
0776 5 Prospecting and developing coal reserves in the western interior coal region
- MITRE CORPORATION, BEDFORD, MAINE
0677 37 Dynamic modeling of fluidized-bed boilers for control system design
- MITRE CORPORATION, WASHINGTON, DISTRICT OF COLUMBIA
0172 7 Survey of coal availabilities by sulfur content
0678 222 Procedures for cost analyses of coal-oil mixture combustion projects
- MITRE CORPORATION, WESTGATE RESEARCH PARK, MCLEAN, VIRGINIA
0172 6 Coal - The Black Magic
0176 17 Gasification/Combined-Cycle System for electric-power generation
0181 139 Coal gasification: A source of CO//2 for enhanced oil recovery?
0280 344 The Impact of developing technology on indirect liquefaction
0281 149 The impact of developing technology on indirect liquefaction
0282 46 An assessment of disposable catalysts based on iron sulfides
0374 1 An interpretative compilation of EPA studies related to coal quality and cleanliness
0479 251 An economic assessment of labor supply and demand in the coal mining industry through 2000
0577 70 Procedures manual for environmental assessment of fluidized-bed combustion processes
0580 1 Coal burning is wrapped in red tape
0581 79 Environmental effects of coal technologies: Research needs. A report to the Federal Interagency Committee on the Health and Environmental effects of energy technologies, Final Report
0677 13 Fluidized-bed combustion of coal: Status and prospects
0677 61 Material handling systems for the fluidized-bed combustion boiler at Rivesville, West-Virginia
0677 199 Dynamic modeling techniques for the fluidized-bed systems
0678 25 Preliminary controller evaluation for the MERC/CIU using a mathematical process model
0678 158 Procedures for cost analyses of coal-oil mixture (COM) combustion projects
0681 94 Advanced power plant siting in Ohio
1172 2 Energy, resources and the environment
1172 3 Symposium on energy, resources and the environment, Volume 3
1172 4 Symposium on energy, resources and the environment, Volume 1
1172 6 Symposium on energy, resources and the environment, Volume 2

- MITSUBISHI HEAVY INDUSTRIES LIMITED, HIROSHIMA, JAPAN
0678 137 An experimental study of the combustion of coke-breeze in a fluidized-bed combustor
- MITSUBISHI HEAVY INDUSTRIES LIMITED, TOKYO, JAPAN
0279 137 CHERRY-P process (Treatment of heavy ends)
- MITSUI COAL MINING CO., LTD., HOKKAIDO, JAPAN
0380 8 Application of pressure flotation for waste water treatment at Mitsui Ashibetsu coal mine
- MITSUI ENGINEERING & SHIPBUILDING COMPANY, TOKYO, JAPAN
0880 16 Transporting and storing a fluidized mixed fuel
- MITSUI KOZAN COKING INDUSTRY COMPANY, KITAKYUSHU, JAPAN
0181 67 Gasification studies of cokes from coals. The effects of carbonization pressure on optical texture and porosity
1080 33 Statistical analyses and prediction of coking properties of coal
1081 66 Mechanism of carbonization of a semi-anthracite
- MITTELHAUSER CORPORATION, DOWNERS GROVE, ILLINOIS
0281 159 Gasoline or gasoline and SNG from coals
- MIXING EQUIPMENT COMPANY, ROCHESTER, NEW YORK
0881 11 Mixing of slurries near the ultimate settled solids concentration
- MOBIL OIL CORPORATION, FAIRFAX, VIRGINIA
0281 117 Liquefaction of carbonaceous materials
- MOBIL OIL CORPORATION, NEW YORK, NEW YORK
0180 123 Preparation of naphtha by conversion of synthesis gas with a fluid catalyst which contains iron
0181 168 Gasification of solid carbonaceous material for use in a turbine-generator power installation
0280 117 Asphaltic paving compositions and method of preparation from solvent refined coal
0280 119 Catalyst and conversion of synthesis gas therewith
0280 125 Conversion of synthesis gas with cobalt-containing fluid catalyst
0281 305 Desulfurization, demetalation and denitrogenation of coal
0282 197 Coprocessing of residual oil and coal
0380 94 Solid fuel use in small furnaces
0680 111 Method for No/x removal from stack gases
- MOBIL OIL CORPORATION, PRINCETON, NEW JERSEY
0276 85 Chromatographic fractionation of coal liquids
- MOBIL RESEARCH AND DEVELOPMENT CORPORATION, PAULSBORO, NEW JERSEY
0176 114 Development studies on conversion of methanol and related oxygenates to gasoline. Final report
0177 144 Fluid-bed process studies on selective conversion of methanol to high octane gasoline. Annual report, Oct. 1976 - Sept. 1977
0178 73 Novel technology for conversion of methanol and synthesis-gas to hydrocarbons
0178 145 Development studies on selected conversion of synthesis-gas from coal to high octane gasoline
0178 236 Development studies on selected conversion of synthesis-gas from coal to high-octane gasoline. Final report
0178 311 Gasifier study for Mobil coal to gasoline process. Final report
0274 13 Laboratory reactors and their limitations
0278 85 Economic screening evaluation of upgrading coal liquids to turbine fuels
0279 39 Analytical studies for the H-coal process
0279 134 Upgrading of coal liquids for use as power generation fuels
0280 302 Catalyst assessment for upgrading short contact time SRC to low sulfur boiler fuels
0281 101 Characterization of high boiling Fischer-Tropsch liquids by liquid and gas chromatography
0281 318 Chemical and physical aspects of refining coal-liquids
0679 133 Upgrading coal liquids to turbine fuels

- 0681 55 Comparative study of two models for a nonisothermal continuous fluidized bed catalytic reactor
1078 130 Analytical characterization of solvent-refined-coals comparison with petroleum residua
1079 125 Advances in Fischer-Tropsch chemistry
- MOBIL RESEARCH AND DEVELOPMENT CORPORATION, PENNINGTON, NEW JERSEY
0281 342 Fundamental studies in the conversion of coals to fuels of increased hydrogen content, Volume 1: the chemistry and mechanisms of coal conversion to clean fuel - Interim Report
0281 343 Fundamental studies in the conversion of coals to fuels of increased hydrogen content, Volume 2: the chemistry and mechanisms of coal conversion to clean fuel - Appendices - Interim Report
- MOBIL RESEARCH AND DEVELOPMENT CORPORATION, PRINCETON, NEW JERSEY
0178 73 Novel technology for conversion of methanol and synthesis-gas to hydrocarbons
0180 149 Parameter sensitivity and kinetics-free modeling of moving bed coal gasifiers
0276 86 Progress in the catalysis of conventional and synthetic fuel production
0278 161 Research guidance studies to assess gasoline from coal by methanol-to-gasoline and Sasol-type Fischer-Tropsch technologies
0279 167 Short time reaction products of coal liquefaction and their relevance to the structure of coal
0280 48 Deactivation of hydrotreating catalysts during coal liquefaction
0280 187 Structural changes occurring in coal liquefaction
0281 138 Study of coal conversion in polycondensed aromatic compounds
0281 140 The criticalities of solvent composition in coal liquefaction
0281 208 Zeolite based catalysts for hydrocracking
0281 255 Short-time reaction productions of coal liquefaction and their relevance to the structure of coal
0281 269 The effect of solvent compositions on the liquefaction behavior of western subbituminous coal
0282 3 Enhanced coal liquefaction with high boiling solvents
0282 182 Synergistic effects between light and heavy solvent components during coal liquefaction
0380 25 Rapid analysis of Florida phosphates by energy-dispersive x-ray fluorescence
1077 35 A primer on the chemistry and constitution of coal
- MONASH UNIVERSITY, CLAYTON, AUSTRALIA
0280 152 Hydrogenation of ion-exchanged Victorian brown coals
0281 48 Direct hydrogenation of Victorian brown coal lithotypes
0281 55 Kinetics of hydroliquefaction of an Australian brown coal
0282 15 Synergistic catalytic effect in the hydrogenation of Victorian brown coals
0282 181 Evidence for direct interaction of hydrogen with brown coal in tin-catalysed reactions
0381 13 Drying high-moisture coals before liquefaction or gasification
0679 100 Dry as dust or how to dry particles with energy economy
1081 167 Moessbauer effect study of Victorian brown coal
- MONSANTO COMPANY, MIAMISBURG, OHIO
0180 217 Analytical procedures used in characterization of knockout-pot condensates from the Pricetown I underground gasification
0180 218 Characterization of Pricetown I underground gasification knockout pot condensates
- MONSANTO COMPANY, ST. LOUIS, MISSOURI
0179 148 Continuous analyzer system for in-situ coal gasification project
0682 38 Tests of explosion venting of buildings
- MONSANTO RESEARCH CORPORATION, DAYTON, OHIO
0579 109 Source Assessment: Dry bottom industrial boilers firing pulverized bituminous coal
0680 167 Source assessment: dry bottom utility boilers firing pulverized bituminous coal
- MONSANTO RESEARCH CORPORATION, MIAMISBURG, OHIO
0181 25 Mass balance results for Pricetown I underground coal gasification
0181 36 A successful in-situ coal gasification test in the U.S.A.
0181 228 In-situ coal gasification - a future source of energy
0181 239 Temperature-time-reaction medium controlled hydrolysis: a batch reactor study

- 0182 87 Instrumentation for optimizing an underground coal gasification process
0781 7 Pricetown post test core analysis
- MONTANA AGRICULTURAL EXPERIMENT STATION, BOZEMAN, MONTANA
0479 218 Rosebud mine: a case study in western reclamation through research
- MONTANA BUREAU OF MINES AND GEOLOGY, BUTTE, MONTANA
0780 26 The Anderson coal - a regional study
- MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY, BUTTE, MONTANA
0379 114 Loss of organic volatiles during the drying of rosebud coal
0478 270 Directory of mining enterprises for 1977
0480 99 Recovery of stray (thin) seams in western coal mining
- MONTANA ENERGY MHD RESEARCH AND DEVELOPMENT INSTITUTE INC., BUTTE, MONTANA
1079 169 Wettability and corrosion of MHD ceramics by rosebud coal slag
- MONTANA STATE UNIVERSITY, BOZEMAN, MONTANA
0179 279 A four component model for the vaporization of seeded slags - the system potassium oxide - calcium-oxide - aluminum-oxide - silica
0276 56 The catalytic hydrocracking of coal derived oils
0278 215 Catalytic hydrogenation of solvent refined coal - dissertation
0279 17 Direct conversion of lignite to chemical feedstocks via a combination of molten salt catalysis and solvent-refining technologies
0280 256 Catalytic hydrogenation of coal-derived liquids
0281 28 Coal hydrogenation and hydrocracking using a metal chloride-gaseous HCl catalyst system
0479 66 Planning surface coal mining operations with a minicomputer
0479 76 Overburden inhibitory zone dilution during dragline spoiling
0482 67 Samplers pinpoint surface dust
0579 29 Impact of western coal mining. II. Microbiological studies
0579 30 Impact of western coal mining. I. Chemical investigations of a surface coal mine sedimentation pond
0579 31 Environmental Effects of Western Coal Surface Mining: Part IV - Chemical and microbiological investigations of a surface coal mine settling pond
0580 73 Factors influencing the release of boron from coal ash materials
0580 105 Occurrence and activity of iron and sulfur-oxidizing microorganisms in alkaline coal strip mine spoils. Final report
- 0580 117 Environmental effects of Western coal combustion: Part III - The water quality of Rosebud-Creek, Montana
0678 230 MHD slag electrical conductivity studies
0881 9 Water pollution potential of coal-slurry pipelines
0882 11 Water quality as a factor in the refuse and disposal of coal slurry water
1078 133 Thermionic-emission properties of some synthetic-coal-slags
1177 2 Dynamic modeling and control of magnetohydrodynamic/steam systems
- MONTANUNIVERSITÄT, LEOBEN, AUSTRIA
0979 11 World coal resources: methods of assessment and results
- MONTEDISON, MILAN, ITALY
0280 26 Aromatics outlook in Western-Europe
- MONTREAL ENGINEERING COMPANY LIMITED, MONTREAL, QUEBEC
0681 190 Design of large coal-fired boilers for Canadian electric utilities an update
0682 15 Summerside - atmospheric fluidized bed boiler plant
- MOODY AND ASSOCIATES INC., MEADVILLE, PENNSYLVANIA
0482 0 Ground water monitoring of underground coal mines

MORGANTOWN ENERGY		RESEARCH CENTER, MORGANTOWN, WEST VIRGINIA
0173	33	Directional properties of coal and their utilization in underground gasification experiments
0174	35	Noncaking-coal gasified in a stirred-bed producer
0175	5	Removal of hydrogen sulfide from hot low-Btu gas with iron oxide-fly ash sorbents
0175	17	Behavior of caking coals in fixed-bed-gasifiers
0175	25	Bituminous coal gasified in a stirred-bed producer
0175	35	A report on progress in underground coal gasification
0175	59	Instrumentation for in-situ coal gasification
0177	115	Development of coal-feeding systems at the Morgantown Energy Research Center
0177	126	Gravity flow rate of solids through orifices and pipes
0177	127	High pressure rotary piston coal-feeder
0178	75	Cleaning producer-gas from the MERC gasifier
0178	84	Design considerations for an in-situ gasification test of Eastern bituminous coals
0178	127	Chemistry of hot gas cleanup in coal gasification and combustion
0178	185	Chemistry of hot gas cleanup in coal gasification and combustion
0178	218	An engineering assessment of entrainment gasification
0178	243	Structural mechanics simulations associated with underground coal gasification
0178	293	Development and operation of METC 42-Inch gas producer during 1964 - 1977
0178	329	Computer modeling of the MERC fixed-bed gasifier
0179	62	Program Rationale valves for solids throttling applications in coal conversion and utilization processes
0278	77	Concept and use of hydrogen permeable catalysts
0279	18	Specification requirements for a control valve for hot dirty gas service
0279	19	Specification requirements for a control valve for slurry letdown service
0279	20	Test Plan for a control valve for hot dirty gas service
0279	21	Test Plan for a control valve for slurry letdown service
0279	22	Facility requirements for testing control valves for hot dirty gas services
0279	23	Facility requirements for testing control valves for slurry letdown service
0279	24	Design criteria for a control valve for hot dirty gas service
0279	25	Design criteria for a control valve for slurry letdown service
0479	38	Basic estimated capital investment and operating costs for sub-bituminous and lignite coal strip mines
0576	14	A study of stirred, fixed-bed gas producer behavior with caking coals
0576	32	Ash utilization
0673	3	Combustion of coals in fluidized-beds of limestone
0673	13	Hot sulfur removal from producer-gas
0677	36	Fluidized-bed combustion of anthracite refuse
0677	51	Factors influencing formation of alkali sulfates in fossil-fuel combustion
0677	94	Chemical transformations of the minerals in eastern bituminous coals under simulated pulverized coal-firing conditions
0677	152	Design status of an atmospheric pressure fluidized-bed combustion/component test and integration unit
0677	209	Sulfur removal in fluidized-bed combustion
0678	17	Fluidized-bed combustion of low quality fuels
0678	28	On line monitoring of major ash elements in coal conversion processes
0678	36	Design of solid handling elements of a pressurized fixed bed coal gasifier
0678	85	Mineral characterization of fluidized-bed combustion aerosol ash - Montana rosebud sub-bituminous coal
0678	173	Fluidized-bed combustion test of low-quality fuels: Texas lignite and lignite refuse
0678	204	Fluidized-bed combustion test of low-quality fuels, 1. Anthracite refuse
1075	0	Chemical and mineralogical characterization of core samples from underground coal gasification sites in Wyoming and West-Virginia
1078	72	Analytical methods for coal and coal products, Volume 1
MORGANTOWN ENERGY		TECHNOLOGY CENTER, MORGANTOWN, WEST VIRGINIA
0177	289	Proceedings Second Annual Underground Coal Gasification Symposium, sponsored by the Morgantown Energy Research Center, Morgantown, West-Virginia, August 1976
0178	32	Thermoelectric solutions for in-situ gasification of coal
0178	269	Assessment of flash-pyrolysis and hydropyrolysis
0179	9	The chemistry of potassium and sulfur in entrained-flow gasifiers
0179	25	Sour water stripping of coal gasification wastewater

CORPORATE AUTHOR INDEX

0179 35	Prototype lockhopper valve test plan
0179 85	Initial results from a linked-vertical-well field test in bituminous coal
0179 99	Pricetown-I - Instrumentation and preliminary data
0179 101	Geophysical survey characterization of underground coal gasification sites near Pricetown, West-Virginia
0179 109	Structural and fracture mechanics simulations associated with in-situ gasification of bituminous coals
0179 127	Final report METC SOA test valve no. A - 6, 6-inch rockwell nordstrom plug valve
0179 132	Testing, evaluation, and development of valves for lockhopper service in coal conversion processes by the U.S. Department of Energy
0179 263	Pricetown I - In-situ coal conversion field test for bituminous coals
0179 344	Wear compensating seals for high pressure rotary piston coal feeder
0180 14	Update of lockhopper valve development
0180 260	A successful eastern in situ coal gasification field trial
0181 68	Eastern in situ coal gasification field trial
0278 140	Hydroliquefaction of coal by a two-step procedure using different first-step reactor packings
0279 1	Deactivation of hydrotreating catalysts by coal-derived organometallics
0480 182	Methane recovery from coalbeds project plan document FY 1981
0581 18	Surface enrichment of aluminosilicate minerals and coal combustion ash particles
0679 25	Fluidized-bed combustion of high sulfur coals
0681 166	Evaluation of the sulfur sorption properties of chemically improved limestones during fluidized-bed combustion
1078 73	Analytical methods for coal and coal products, Volume 2
1079 20	Reactivity of iron-sulfide in sulfur-dioxide atmosphere
1079 255	Analytical methods for coal and coal products, Volume III
MORRISON KNUDSEN COMPANY INCORPORATED, BOISE, IDAHO	
0481 65	Predicting surface subsidence for damage prevention
0681 214	Cost-effective utilization of waste heat in coal-fired power plants
MORSE ASSOCIATES INC., LAKEWOOD, COLORADO	
0181 90	Issues associated with the potential development of underground coal gasification in Colorado
MOSCOW CHEMICAL TECHNOLOGY INSTITUTE, MOSCOW, USSR	
0679 141	Electrochemical features of the process of spontaneous heating of peat during storage
MOSCOW MINING INSTITUTE, MOSCOW, USSR	
0779 26	Investigation of the microfissuring of coals of different degrees of disturbance
1078 157	Significance of sorption studies for practical coal mining
1078 159	Study of gas sorption in coals using laser methods
1079 143	On the problem of the structural parameters of coals
1079 144	Mass spectrometry study of the gaseous products of coal desorption
1079 148	Question of the chemical structure of hard coals
MOUND FACILITY, MIAMISBURG, OHIO	
0179 85	Initial results from a linked-vertical-well field test in bituminous coal
0179 99	Pricetown-I - Instrumentation and preliminary data
0581 75	Assessment of the radiological impact of coal utilization II. Radionuclides in Western coal ash
MSA RESEARCH CORPORATION, EVANS CITY, PENNSYLVANIA	
0477 146	Analysis of toxic fumes generated during shot firing
0479 11	The evaluation of foam concrete for a rapid centerwall placement system. Final technical report. September 1978
MULHEIM A.D., RUHR, GERMANY	
1079 71	Studies in the chemical characterization of coal: reduction via solvated electrons

- MULTI MINERAL CORPORATION, GRAND JUNCTION, COLORADO
0682 22 Dry scrubbing of SO₂
- NAGASAKI TECHNICAL INSTITUTE, NAGASAKI, JAPAN
0681 168 Development of pulverized coal fired low NO_x PM burner
- NAGASAKI UNIVERSITY, NAGASAKI, JAPAN
0281 139 The catalytic effect of carbide formation during Fischer-Tropsch synthesis
- NAGOYA INSTITUTE OF TECHNOLOGY, NAGOYA, JAPAN
1081 60 Copolymerization of methylmethacrylate on a ball-milled surface of coal at 77 K
- NAGOYA UNIVERSITY, FURU CHO, CHIKUSA KU, JAPAN
1079 25 Graphitization and sintering of coals under pressure
- NALCO CHEMICAL COMPANY, OAK BROOK, ILLINOIS
0280 116 Alkyl phenoxypoly(ethyleneoxy)ethanol in fuel oil to prevent coal particles from freezing together
0380 84 Floation of oxidized coal with a latex emulsion of sodium polyacrylate used as a promoter
0381 87 Method for the determination of dosage of freeze conditioning agents on coal
0882 71 Oil based side release agents for coal cars
1080 88 Treatment and recovery of larger particles of fine oxidized coal
- NANDA MILLER CO., CALCUTTA, INDIA
0478 295 Experiences with resin bolting in a deep mine
- NATIONAL ACADEMY OF ENGINEERING, WASHINGTON, DISTRICT OF COLUMBIA
0173 27 Evaluation of coal gasification technology, Part I. Pipeline-quality-gas
0174 1 Evaluation of coal gasification technology, Part II. Low-and intermediate-Btu fuel gases
- NATIONAL ACADEMY OF SCIENCES, WASHINGTON, DISTRICT OF COLUMBIA
0179 124 Assessment of technology for advanced power cycles
0277 46 Assessment of technology for the liquefaction of coal
0277 82 Assessment of technology for the liquefaction of coal: Summary
0580 146 Trace-element geochemistry of coal resource development related to environmental quality and health
0677 136 Assessment of advanced technology for direct combustion of coal
- NATIONAL AEROSPACE LABORATORY, MIYAGI, JAPAN
0481 81 A flame inhibition theory by inert dust and spray
- NATIONAL BUILDING RESEARCH INSTITUTE, PRETORIA, SOUTH AFRICA
0580 181 Interesting features of a coal dump-ash dam at Kilbarchan colliery
- NATIONAL BUREAU OF STANDARDS, GAITHERSBURG, MARYLAND
0178 330 Third annual conference on materials for coal conversion and utilization, October 10 - 12, 1978, Gaithersburg, Maryland
- NATIONAL BUREAU OF STANDARDS, WASHINGTON, DISTRICT OF COLUMBIA
0177 205 State of the art of instrumentation for high temperature thermometry
0179 212 X-ray powder diffraction measurements in reactive atmospheres at 1000-degrees-Celsius and 7-MPa (1000-PSIG)
0181 210 The catalyzed graphite-water vapor reaction - isotopic studies using barium carbonate (carbon-13)
0181 257 Chemical degradation of castable refractories in coal gasification process environments
0281 356 Chemistry of trace element species in coal liquefaction processes
0581 3 Preconcentration of trace metals in environmental and biological samples by cation exchange resin filters for x-ray spectrometry
- 0676 6 Joint U.S. - U.S.S.R. Test of U.S. MHD electrode systems in U.S.S.R. U - 02 MHD facility (phase I). Final Report
- 0677 73 Some properties of coal slags of importance to MHD

CORPORATE AUTHOR INDEX

0678. 3 Energy Management for Furnaces, Kilns, and Ovens NBS Handbook 124
 0680 214 Slag and metal oxide vaporization in reactive atmospheres
 0781 28 Nuclear magnetic resonance studies of ancient buried wood - I. Observations on the origin of coal to the brown coal stage
 1074 0 Microwave measurement of coal-layer thickness

NATIONAL CENTRAL UNIVERSITY, CHUNG LI, TAIWAN

- 0281 288 Effect of mechano-chemical pretreatment on coal liquefaction

NATIONAL CHEMICAL LABORATORY FOR INDUSTRY, TOKYO, JAPAN

- 0177 306 Catalytic activity of metal sulfides for the reaction, $H/2S + CO = H/2 + COS$

NATIONAL COAL ASSOCIATION, WASHINGTON, DISTRICT OF COLUMBIA

- 0374 3 First Symposium on Mine and Preparation plant refuse disposal
 0376 3 Second Symposium on Coal Preparation
 0377 33 Third Symposium on Coal Preparation, October 18 - 20, 1977, Louisville, Kentucky
 0474 3 Fifth Symposium on Coal Mine Drainage Research
 0475 7 Third Symposium on Surface-mining and reclamation, Volume I
 0475 8 Third Symposium on Surface-mining and reclamation, Volume II
 0475 9 First Symposium on Underground Mining, Volume I
 0475 10 First Symposium on Underground Mining, Volume II
 0476 21 Fourth Symposium on surface-mining and reclamation
 0476 22 Sixth Symposium on Coal Mine Drainage Research
 0476 23 Second Symposium on Underground Mining
 0477 92 Fifth Symposium on Surface-mining and reclamation
 0477 94 Seventh Symposium on Coal Mine Drainage Research
 0477 95 Third Symposium on Underground Mining
 0577 25 Fourth Symposium on Coal Utilization, October 18 - 20, 1977, Louisville, Kentucky
 1158 0 Submission of National Coal Association, Washington, D.C., to the Canadian Royal Commission on Energy

NATIONAL COAL BOARD, BAGWORTH, LEICESTER, UNITED KINGDOM

- 0481 112 The surepower experiment at South-Leicester
 0482 63 Longwall faces swinging up to 180-deg

NATIONAL COAL BOARD, BRETBY, UNITED KINGDOM

- 0180 189 The choice of process oxidant - air or oxygen
 0480 180 The development of remote monitoring and control for mining
 0481 116 Point attack tools: an evaluation of function and use for rock cutting
 0481 121 Studies in virgin strata temperatures, with special reference to the NBC's Western Area Mines
 0880 4 Recent developments in transport systems

NATIONAL COAL BOARD, BURTON ON TRENT, UNITED KINGDOM

- 0181 76 Coal preparation for conversion processes
 0480 149 The coal cutter as a seismic source in channel wave exploration
 0481 18 Prediction of gas emission from longwall faces
 0781 9 Fault location by channel wave seismology in United-Kingdom coal seams

NATIONAL COAL BOARD, CHELTENHAM, GLOUCESTERSHIRE, UNITED KINGDOM

- 0180 24 The NCB coal gasification system for power generation
 0180 214 Thermal behaviour of a supercritical gas extract of coal
 0180 226 Aviation fuels from coal
 0181 11 The use of non-fossil derived hydrogen in coal conversion process
 0181 106 The use of non-fossil derived hydrogen: A possible role for coal conversion
 0181 140 High voltage fluidization - the prediction of particle and fluid velocities
 0181 236 Coal gasification for combined cycle power generation: a general simulation method
 0279 53 The development of coal liquefaction processes in the United-Kingdom
 0279 58 Survey of Carbon-13 chemical shifts in aromatic hydrocarbons and its application to coal-derived materials

0279 114	Filtration in coal liquefaction. Influence of digestion conditions in the filtration of nonhydrogenated coal digests
0280 0	Filtration in coal liquefaction. Influence of filtration conditions in non-hydrogenated systems
0280 206	The hydrolysis of coal to BTX
0280 246	Making olefins and aromatics from coal liquids
0280 247	The hydrolysis of coal
0280 294	The thermal cracking of coal-derived materials
0280 327	An investigation of the oxygen and nitrogen groups in supercritical gas extracts of coal by NMR
0281 39	Filtration in coal liquefaction - influence of filter membrane on filtration
0281 245	The thermal cracking of coal-derived materials
0281 290	Filtering coal liquids: Influence of particle sedimentation on filtration
0281 335	Adapting direct coal liquefaction to the Canadian scene
0281 349	Development of a process for the supercritical gas extraction of coal
0282 36	Filtration in coal liquefaction: preparation of filter aid from filter cake
0282 102	Turning coal to transport fuel: a future growth industry
0282 143	Assignment of aliphatic carbon peaks in the Carbon-13 n.m.r. spectra of coal liquefaction products
0480 169	Aspect of support technology in West German mines
0480 171	The Bretby hydraulic arch cropper
0480 175	The evolution of face design in thick seams - Markham Main Colliery
0480 177	Tunnelling in U.K. coal mines
0480 187	Engineering requirements for new mines
0480 188	The Doncaster area and future face design technology
0481 21	The reopening of Thorne Colliery
0481 68	Underground staple shaft bunkers
0580 122	The Rossington fire - 4th September, 1978
0680 8	The development of fluidized-bed combustion
0680 39	Light aromatics from the hydrolysis of coal
0680 189	Design and operation of fluidized bed industrial boilers and hot gas producers
0681 43	Burning rates of coal in fluidized-bed combustion
0681 82	Arc-steel electrodes from coal via solvent extraction
0681 180	Materials problems in fluidized-bed combustion systems
0880 32	A review of underground transport systems in the Barnsley area of the National Coal Board
1078 119	Application of quantitative Carbon-13 nuclear-magnetic-resonance spectroscopy to coal-derived materials
1079 35	Structural analysis of supercritical-gas extracts of coals
1079 46	Application of silylation to the characterization of benzene - insoluble coal extract fractions
1079 88	Paraffinic hydrocarbons from supercritical-gas extracts of coal as organic geochemical markers
1080 134	Structural studies on coal extracts
1080 152	A review of the vapour phase cracking of coal-derived materials and some model compounds to BTX
1080 197	Insights into the chemical structure of coal from the nature of extracts
1081 41	Identification of straight-chain fatty acids in coal extracts and their geochemical relation with straight-chain alkanes
1081 57	Thermal cracking of coal-derived materials to BTX and ethylene
1081 112	Active carbons from coals
1081 230	An interpretation of the breakage behaviour of metallurgical coke
1082 17	Estimation of oxygen group concentrations in coal extracts by nuclear magnetic resonance spectrometry
1082 64	Estimation of the concentration of donatable hydrogen in a coal solvent by n.m.r.
1178 34	Some reflections on future research on coal
NATIONAL COAL BOARD, DONCASTER, UNITED KINGDOM	
0481 111	A successful example of the strata replacement technique
0481 119	A rationale of roadside packing
NATIONAL COAL BOARD, LEATHERHEAD, SURREY, UNITED KINGDOM	
0679 66	Work by the NCB on the development of atmospheric and pressurized fluidized-bed combustion
0680 197	Emissions from a pressurized fluidized bed coal combustor

NATIONAL COAL BOARD	LONDON, UNITED KINGDOM	
0175 7	Experience and plans of Britain in underground coal gasification	
0178 342	Kinetic studies on the hydrocracking of coal extract	
0178 363	The use of nonfossil-derived hydrogen in coal conversion processes	
0178 397	Production, preparation and utilization of gas from coal	
0279 68	Supercritical extraction of coal	
0279 90	Synfuels, British style: NCB's gas extraction of coal	
0281 5	Coal as feedstock	
0281 6	Coal as a replacement for oil	
0377 67	Beneficiation and utilization of colliery (washery) tailings	
0379 33	Developments in coal preparation plant design with environmental aspects in mind	
0379 42	Coal preparation developments from the NCB's mining research and development establishment	
0380 10	A policy for research and development in the preparation of coal for the new utilisation processes	
0380 54	Beneficiation of coal by conversion to hydrocarbons - final report	
0381 1	Coal preparation related to Canadian needs	
0478 126	Strategy for mining research and development in the United-Kingdom	
0478 131	Underground efficiency outbye of the coal face	
0478 157	Mine drainage problems in North-Derbyshire	
0478 298	Technological possibilities and scientific tasks for mining in the new century	
0479 57	Safety-risk rationalization	
0479 97	Simpeds respirable dust sampler	
0479 101	Face and drivage techniques for new mines	
0479 102	Further thoughts on colliery communication and control	
0479 103	Cadley hill fire	
0479 106	Brakelock system with added improvements	
0479 110	Developments in hard rock tunnelling	
0479 111	Study of erosion and corrosion of materials used in hydraulic equipment with fire-resistant fluids	
0479 114	Wider widths of working in the longwall system	
0479 120	High-speed manriding trains	
0479 131	Coalmining towards the 21st century	
0479 144	Theoretical and practical aspects of cutting and loading by shearer drums - part 1	
0479 145	Capcoal, Australia, the German Project, Queensland, Australia	
0479 146	The Betws drift mine	
0479 150	Testing of shield supports	
0479 151	Colliery model -- a computer aid to planning at a colliery	
0479 158	Gravity winding	
0479 159	Noise in the mining industry	
0479 178	Opencast (strip) coal mining	
0479 180	The South-Wales coalfield	
0480 10	Safety: the cost of accidents and their prevention	
0480 11	Improvements in safety deriving from production research	
0480 28	Progress with mining research and development in the UK	
0480 36	Colliery applications of MINOS: a standard computer system	
0480 47	Water problems at West Cannock No. 5 Colliery	
0480 57	Automation in UK mines: achievements, goals and problems	
0480 100	Aspects of face mechanization in the North East Area	
0481 1	Opencast mining - the British experience	
0481 2	Underground mining at shallow depths	
0481 3	Safety in the mine environment	
0481 4	Safety in engineering	
0481 77	Mine design considerations for coal conversion	
0481 114	Experience with the testing and application of fire-resistant fluids in the National Coal Board	
0673 4	The reduction of emissions of sulfur oxides and nitrogen oxides by additions of limestone or dolomite during the combustion of fluidized-beds	
0677 113	Investigation of the corrosion performance of boiler, air heater, and gas-turbine alloys in fluidized combustion systems	
0677 154	Fluidized-bed combustion - the Grimethorpe Experimental Facility	

- 0677 155 Further experiments on the pilot-scale pressurized combustor at Leatherhead, England
 0677 232 Engineer, design, construct, test and evaluate a pressurized fluidized-bed pilot-plant using high-sulfur-coal for production of electric-power, Phase 1, Preliminary engineering, PFB Combustor/Heat-exchanger rig test at Leatherhead
- 0678 244 BTX by coal pyrolysis in hydrogen
 0679 86 Fluidized-bed combustion of low-calorific-value fuels
 0680 22 Commercial exploitation of fluidised combustion in the industrial market
 0681 2 Some advanced systems for power generation
 0681 153 Heat transfer to cooling coils in the splash zone of a pressurized fluidized bed combustor
 0760 10 Modelling geological uncertainty for mine planning
 0769 21 Mining transport - short and long term considerations
 0880 20 Mobile power supply
 0979 4 Simple approach to high resolution seismic profiling for coal
 0981 0 Coal exploration, testing, assessment and evaluation
 1179 31 Coal yesterday and tomorrow
 1180 21 Chemicals from coal
 1181 1 Coal - the world wide prospects
 1181 3 The new market for steam coal
 1181 4 The role of coal conversion in the UK energy future
 1181 41 UK national and international perspectives on coal utilization
 1181 47 A review of plan for coal
- NATIONAL COAL BOARD, NORTH DERBYSHIRE, UNITED KINGDOM
 0180 12 Producing fuels and chemical feedstocks from coal
 0479 118 Trackless transport
 0480 165 The reconstruction of Shirebrook Colliery
 0482 59 From Greenfield to new mine: a review of the policy issues and general planning processes
 0879 20 Vertical pneumatic transport of coal
 0979 7 Exploration techniques and the geological service within the National Coal Board
- NATIONAL COAL BOARD, NORTH YORKSHIRE, UNITED KINGDOM
 0480 27 Selby-the way ahead
 0482 47 Salvaging ATM retreat faces: Experiences at Kellingley Colliery
- NATIONAL COAL BOARD, NOTTINGHAMSHIRE, UNITED KINGDOM
 0480 46 Chainless haulage systems
 0480 193 Methane utilization
- NATIONAL COAL BOARD, SOUTH MIDLANDS, UNITED KINGDOM
 0480 154 The design and installation of a steel cord belt in the surface drift at Cadley Hill Colliery
- NATIONAL ECONOMIC RESEARCH ASSOCIATES, WASHINGTON, DISTRICT OF COLUMBIA
 0178 327 Clean fuels from coal
- NATIONAL GEOPHYSICAL RESEARCH INSTITUTE, HYDERABAD, INDIA
 0779 14 Seismoacoustic activity in a coal seam in relevance to destressing
 0779 16 Study of acoustic emissions from stressed rocks and rockmasses
 0780 7 A geothermal study of the Jharila Gondwana basin (India), heat flow results from several holes and heat production of basement rocks
- NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH, CINCINNATI, OHIO
 0178 355 Coal gasification and occupational health
 0281 316 Occupational hazard assessment - Coal liquefaction, Volume II - Assessment
 0281 344 Occupational hazard assessment, coal liquefaction, Volume I - summary
 0579 82 Health hazard evaluation determination, report no. 79-45-649, The Timken Company, Canton, Ohio
 0582 28 Chemical composition of coal and other mineral slags

CORPORATE AUTHOR INDEX

- NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH, MORGANTOWN, WEST VIRGINIA
0480 212 An industrial hygiene characterization of exposures to diesel emissions in an underground coal mine
- NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH, RESEARCH TRIANGLE PARK, NORTH CAROLINA
0579 53 Health effects of coal mining and combustion: carcinogens and cofactors
- NATIONAL INSTITUTES OF HEALTH, BETHESDA, MARYLAND
1079 37 Molecular interaction of quinoline with coal-liquid fractions
- NATIONAL MECHANICAL ENGINEERING RESEARCH INSTITUTE, PRETORIA, SOUTH AFRICA
0882 42 Hydraulic transport of coarse solids in circular and segmented pipes
- NATIONAL METALLURGICAL LABORATORY, BIHAR, INDIA
1078 149 Study of coal and coal-products by infrared and laser-Raman-spectroscopy
- NATIONAL PETROLEUM REFINERS ASSOCIATION, WASHINGTON, DISTRICT OF COLUMBIA
1076 3 Coal derived petrochemicals
- NATIONAL PHYSICAL LABORATORY, NEW DELHI, INDIA
1080 121 Comparison of the characteristics of pitch coke and petroleum coke
- NATIONAL RADIOLOGICAL PROTECTION BOARD, OXON, UNITED KINGDOM
0580 184 Coal-fired power stations - the radiological impact of effluent discharges to atmosphere
- NATIONAL RESEARCH COUNCIL OF CANADA, OTTAWA, ONTARIO
0380 179 Principles and applications of size enlargement in liquid systems
0381 104 Selective oil agglomeration: an answer to fine coal treatment problems
0580 173 Integrally supported tubular cellulose acetate ultrafiltration membranes and design of an industrial module utilizing such membranes
- NATIONAL RESEARCH DEVELOPMENT CORPORATION, LONDON, UNITED KINGDOM
0674 1 Pressurized fluidized bed combustion
0676 3 Pressurized fluidized-bed combustion
0677 147 Pressurized fluidized-bed combustion. Report No. 43, Annual Report, July 1976 - June 1977
0677 231 Pressurized fluidized-bed combustion report No. 43
- NATIONAL RESEARCH INSTITUTE FOR POLLUTION AND RESOURCES, IBARAKI, JAPAN
0181 24 General description of fundamental studies on coal gasification under pressure
0181 34 Effects of hydrogen pressure on hydrogasification of Taiheiyō (Japan) coal
0182 27 Influence of alkali on the carbonization process-II Carbonization of various coals and asphalt with NaOH
0281 115 Catalytic effect of metallic halide on non-solvent coal hydrogenation at short contact time
0282 184 Liquefaction of blended coal
- NATIONAL RESEARCH INSTITUTE FOR POLLUTION AND RESOURCES, KAWAGUCHI, SAITAMA, JAPAN
0179 140 Change in thermoplastic properties of coal under pressure of various gases
0179 184 Factors affecting methane evolution on pyrolysis of coal under pressure
0279 46 Nonsolvent coal hydrogenation at short contact time
- NATIONAL SCIENCE FOUNDATION, WASHINGTON, DISTRICT OF COLUMBIA
0173 43 Chemistry and physics of entrained coal gasification
0174 30 Materials problems and research opportunities in coal conversion: Volume 2. Presentations by speakers and background materials
- NATIONAL STEEL CORPORATION, PITTSBURGH, PENNSYLVANIA
0378 79 Dry coke quenching study

- NATIONAL TAIWAN UNIVERSITY, TAIPEI, TAIWAN
1077 101 A modified procedure for determination of the fluorine content in geological materials
- NATIONAL TECHNICAL INFORMATION SERVICE, SPRINGFIELD, VIRGINIA
0280 220 Alcohol fuels: citations from the engineering index data base, 1970 - June 1980
0380 137 Coal beneficiation: citations from the NTIS data base, 1964 - Nov. 1980
0380 138 Coal beneficiation: citations from the engineering index data base, 1976 - Nov. 1980
0481 10 Surface mining: strip mining - citations from the engineering index data base, 1970 - Jan. 1981
0481 11 Strip mining: citations from the NTIS data base, 1976 - Jan. 1981
0481 12 Mine ventilation: citations from the NTIS data base, 1964 - Jan. 1981
0681 5 Citations from the energy data base, coal-oil mixtures, (June 1976 - April 1981)
- NATIONAL WATER RESEARCH INSTITUTE, BURLINGTON, ONTARIO
1082 21 Trace element content of northern Ontario peat
- NATURAL GAS PIPELINE COMPANY OF AMERICA, CHICAGO, ILLINOIS
0778 33 Geology, groundwater hydrology, and hydrogeochemistry of a proposed surface mine and lignite gasification plant site near Dunn Center, North-Dakota
- NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA
0279 169 Selective bond cleavage of coal by controlled low-temperature air oxidation
0280 62 Coal liquefaction: 2. Controlled oxidations and thermolysis of coal in pyridine
0280 278 Technical, energetics, and economic comparison of NRL oxidative coal liquefaction process with some developed coal liquefaction processes
0280 279 Microbial deterioration of hydrocarbon fuels from oil shale, coal and petroleum. II. Growth and inhibition of bacteria and fungi
- NEDLOG TECHNOLOGY GROUP, ARVADA, COLORADO
0379 34 Magnex pilot-plant evaluation - a dry chemical process for the removal of pyrite and ash from coal
0379 108 Magnex process
0380 170 Coal preparation using magnetic separation, Volume 1: magnetic separation study of magnex processed coal
- NEEG, INC., GREENWICH, CONNECTICUT
0780 34 High Nitrogen-15 in nitrogen of northwest German basin is due to migration as ammonium-ion
- NERC, RESEARCH TRIANGLE PARK, NORTH CAROLINA
0677 104 Studies of waterwall corrosion with staged combustion of coal
- NESBITT ENGINEERING, INC., LEXINGTON, KENTUCKY
0579 103 Design criteria for sediment ponds
- NEVADA POWER COMPANY, LAS VEGAS, NEVADA
0882 34 The Alton pipeline Allen-Warner Valley energy system
- NEW JAPAN CHEMICAL CO., LTD., KYOTO, JAPAN
0281 116 Fuel compositions comprising coal-liquid fuel mixture
- NEW BRUNSWICK ELECTRIC POWER COMMISSION, FREDERICTON, NEW BRUNSWICK
0679 58 Experiences with coal/oil mixture firing of a utility boiler
0681 70 Coal agglomeration and coal-oil mixture combustion in a utility boiler -Phase III - Final Report
- NEW ENGLAND RESEARCH APPLICATION CENTER, STORRS, CONNECTICUT
0180 172 Preparation, properties and applications of transition metal carbonyls: citations from the energy data base, June 1976 - May 1980
1080 119 High performance liquid chromatography: citations from the energy data base, June 1976 - May 1980

CORPORATE AUTHOR INDEX

NEW MEXICO BUREAU OF MINES & MINERAL RESOURCES, SOCORRO, NEW MEXICO
 0378 24 Washability tests and heat content predictions for New-Mexico coals
 0778 22 Coal resources of the Americas. Selected papers

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY, SOCORRO, NEW MEXICO
 0380 182 Desulfurization of coal by thiobacillus ferrooxidans

NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NEW MEXICO
 0176 76 Utilization of brackish water in coal gasification
 0281 210 Hydrotreating SASOL coal liquids
 0579 121 Costs of coal and electric power production-the impact of environmental control technologies for coal-cleaning plants
 0580 9 Trace-element contamination of drainage from coal cleaning wastes

NEW SOUTH WALES INSTITUTE OF TECHNOLOGY, NEW SOUTH WALES, AUSTRALIA
 0780 46 Developments in coal mine geology
 0780 47 Developments in coal mine geology

NEW YORK INSTITUTE OF TECHNOLOGY, OLD WESTBURY, NEW YORK
 0279 224 Combined gas-steam turbine cycle using coal derived liquid fuel - a viable alternative to direct combustion of coal?

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, ALBANY, NEW YORK
 0577 63 Characterization of differences between oil-fired and coal-fired power-plant emissions

NEW YORK STATE DEPARTMENT OF HEALTH, ALBANY, NEW YORK
 0580 5 Coal tar coatings of storage tanks. A source of contamination of the potable water supply

NEW YORK STATE DEPARTMENT OF PUBLIC SERVICE, ALBANY, NEW YORK
 1177 9 Electric energy alternatives appraisal for New-York State

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY, ALBANY, NEW YORK
 0579 118 Coal waste artificial reef program, phase 1

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY, NEW YORK, NEW YORK
 0677 43 A unitized 500-megawatt fluidized-bed boiler design
 0677 196 Fluidized-bed combustion research in New-York: a step toward breaking the oil habit

NEW YORK UNIVERSITY, NEW YORK, NEW YORK
 0173 53 Identification of rate-controlling steps for the water-gas shift reaction over an iron oxide catalyst
 0175 32 RANN utilization experience. Case Study Number 15, New techniques for Gasifying coal
 0579 54 Health effects of the gas-aerosol complex - Report to Special Committee on Health and Ecological Effects of Increased Coal Utilization
 0677 138 Fluid dynamics of a fluidized-bed packed with heat-exchangers. Annual Report, Feb. 1976 - Jan. 1977, Part A.
 0677 201 The pilot fluidized-bed - Experiments analysis and conclusions, Part B. The large scale fluidized-bed facility Investigation of methods for improving heat-transfer film coefficients in a fluidized-bed packed with heat-exchangers
 0678 35 Heat-exchanger designs for coal-fired fluidized-bed
 0679 191 Bed expansion and attrition studies in a coal-fired fluidized bed
 0680 240 Bed expansion and heat transfer measurements in a pressurized fluidized bed
 0681 152 Bed expansion studies and slugging characteristics in a pressurized fluidized bed of large particles

NEWBERY ENERGY CORPORATION, LOS ANGELES, CALIFORNIA
 0180 117 Method for removing particulate matter from a gas stream and a method for producing a product using the removed particulate matter

NIAGARA MOHAWK POWER CORPORATION, SYRACUSE, NEW YORK

- 1177 13 Hydrogen cycle peak shaving on the New-York state grid using fuel cells

NIHON UNIVERSITY, CHIYODA KU, JAPAN

- 0282 183 Unusual effects of catechol upon the hydroliquefaction of coal
1082 6 Determination of bridgehead aromatic carbons in coal-derived materials

NIPPON STEEL CORPORATION, KAWASAKI, JAPAN

- 1082 66 Influence of coal characteristics on CO//2 gasification

NIPPON STEEL CORPORATION, KITAKYUSHU, JAPAN

- 0378 20 Consideration on coal blending theory
1079 190 Carbonization behavior of coal briquettes
1080 83 Effects of manufacturing conditions on the properties of coal-derived caking additives
1081 67 Carbonization behaviour of coal briquettes in a slot-type oven
1082 29 Rheological properties of coal-tar pitches

NIPPON STEEL CORPORATION, TOYKO, JAPAN

- 0681 147 Operation of coke oven with coal preheated by precarbon system

NITTETSU CHEMICAL INDUSTRIAL COMPANY, TOKYO, JAPAN

- 0282 200 Binderless moulding of green cokes delivered from solvent refined coal and ethylene tar pitch

NKK, KAWASAKI, JAPAN

- 0681 196 The assessment of metallurgical coke and coal in relating to blast furnace practice

NKK, TOKYO, JAPAN

- 0681 196 The assessment of metallurgical coke and coal in relating to blast furnace practice

NOAA, ENVIRONMENTAL RESEARCH LABORATORIES, BOULDER, COLORADO

- 0681 173 Environmental effects of pollutants from coal combustion: 1. The four corners power plant, Farmington, NM
0681 175 Environmental effects of pollutants from coal combustion: 2. The Colstrip, Montana, Power Plant

NOBLE & ASSOCIATES, SKOKIE, ILLINOIS

- 0581 82 Coal handling and the air pollution confusion

NORSK HYDRO, OSLO, NORWAY

- 1082 42 Hydrogen by water electrolysis as basis for small scale ammonia production. A comparison with hydrocarbon based technologies

NORTH AMERICAN MINING CONSULTANTS, INC., NEW YORK, NEW YORK

- 0479 199 Spiral bunker system gives new capabilities to coal mines

NORTH DAKOTA STATE DEPARTMENT OF HEALTH, BISMARCK, NORTH DAKOTA

- 0579 111 The long-term effects of trace elements emitted by energy conversion of lignite coal - Vol. 1

NORTH EASTERN COALFIELD, MARGHERITA, INDIA

- 0480 208 Challenges in Makum coalfield of North Eastern Region

NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NORTH CAROLINA

- 0179 210 A mathematical model of a fluidized-bed char gasifier
0179 296 Devolatilization kinetics and elemental release in the pyrolysis of pulverized coal
0179 299 Devolatilization kinetics and elemental release in the pyrolysis of pulverized coal - dissertation
0180 35 How clean gas is made from coal
0180 193 Coal gasification/gas cleanup test facility: Volume 1. Description and Operation
0181 58 Coal gasification in a pilot scale fluidized bed reactor. 1. gasification of a devolatilized bituminous coal
0581 11 Land treatment of coal gasification wastes

- 0680 49 Coal devolatilization and elemental release in batch and laminar flow furnace reactors
- NORTH CAROLINA UNIVERSITY, CHAPEL HILL, NORTH CAROLINA
0579 83 Treatability and assessment of coal conversion wastewaters, phase I
- NORTH DAKOTA GEOLOGICAL SURVEY, GRAND FORKS, NORTH DAKOTA
0580 153 Potential effects on groundwater of fly ash and FGD waste disposal in lignite surface mine pits in North-Dakota
0781 40 Depositional setting and groundwater quality in coal-bearing sediments and spoils in western North Dakota
- NORTH DAKOTA STATE DEPARTMENT OF HEALTH, BISMARCK, NORTH DAKOTA
0579 112 The long-term effects of trace elements emitted by energy conversion of lignite coal, Vol. II, Technical Appendices
- NORTH DAKOTA STATE UNIVERSITY, FARGO, NORTH DAKOTA
0580 113 Biodegradation of thiocyanate by microorganisms isolated from gas liquor
1076 0 Moisture in coal and significance of accurate determination of oxygen
1076 18 Oxygen in the U.S. Bureau of Mines' coal-ash, U.S. Bureau of Standards' coal fly-ash reference material and low-temperature coal-ash. A simplified approach to the analysis of ash and mineral matter in coal
1076 33 Material balance in coal 1. Material balance and oxygen stoichiometry of six coals from the Wyodak bed, Campbell County, Wyoming
1078 100 Study of oxygen stoichiometry and analysis of coal, lignite, coke, and derivatives. Final report, March 1976 - July 1978
- NORTHERN CHEYENNE RESEARCH PROJECT, LAME DEER, MONTANA
0581 1 Hydrologic impacts from potential coal strip mining - Northern Cheyenne Reservation - project summary
- NORTHERN MINER, VANCOUVER, BRITISH COLUMBIA
1182 9 The Pacific rim coal trade outlook
- NORTHERN RESOURCES INC., BILLINGS, MONTANA
0181 206 Feasibility and economic study of medium-Btu coal gas blended with high-Btu by-product gas as an industrial energy source at Billings, Montana - Final Report
- NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS
0678 251 Internal boiling and superheating in vaporizing multicomponent droplets
0679 163 Combustion studies of coal-in-oil droplets, final report, August 1, 1977-July 31, 1979
0679 164 Combustion and agglomeration of coal-oil mixtures in furnace environments
1078 77 Coal slurry diagnostics by ultrasound transmission
1078 134 Policy alternatives for reclaiming surface-mined lands
- NORWEST RESOURCE CONSULTANTS LIMITED, CALGARY, ALBERTA
0381 7 A review of dry cleaning processes
0481 38 Coal Mining Safety Board of Inquiry, Final Report
- NOVA SCOTIA DEPARTMENT OF MINES AND ENERGY, HALIFAX, NOVA SCOTIA
0381 59 Recovery of thermal coal from waste dumps near Stellarton, Nova Scotia
0481 144 The future of coal utilization in Nova Scotia
0774 2 Coal inventory project
0778 30 Coal inventory survey: onshore
1052 2 Second Conference on the origin and constitution of coal
1182 20 Nova Scotia: positive government policies for coal
- NOVA SCOTIA RESEARCH FOUNDATION CORPORATION, DARTMOUTH, NOVA SCOTIA
0279 138 Low severity coal liquefaction process: Final report
0381 102 Coal desulfurization: effect of various alkaline sources in the oxydesulfurization process

- NOVA SCOTIA RESEARCH FOUNDATION CORPORATION, HALIFAX, NOVA SCOTIA
 0382 30 Beneficiation techniques applicable to Nova Scotian coals: a literature review
 0682 49 Erosion resistant ceramics for coal utilization
 1052 2 Second Conference on the origin and constitution of coal
- NOYES DATA CORPORATION, PARK RIDGE, NEW JERSEY
 0578 94 Trace contaminants from coal
- NUCLEAR SUPREME, CASPER WYOMING
 0280 133 Method of extracting a liquid electrolyte and other products from coal
- NUS CORPORATION, ROCKVILLE, MARYLAND
 0477 193 Coal mining cost models-underground mines, Final report
 0579 44 Reducing emissions of sulfur-dioxide when a pulp-mill switches to coal
 0679 63 Energy: What about the waste?
- OAK RIDGE ASSOCIATED UNIVERSITIES, OAK RIDGE, TENNESSEE
 0579 52 Atmospheric carbon dioxide consequences of heavy dependence on coal
 0677 257 Energy requirements for fluidized-bed coal combustion in 800-1,000 MW steam electric power plants
 1177 47 Net energy analysis of five energy systems
- OAK RIDGE GASEOUS DIFFUSION PLANT, OAK RIDGE, TENNESSEE
 0279 3 The use of cellulose fiber filter aids as precoat in the filtration of coal liquefaction intermediates
- OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE
 0176 119 Recovery of inaccessible coal reserves by in situ gasification
 0177 88 Evaluation of in-situ coal gasification processes on a regional basis
 0177 269 Synthetic fuels process research digest
 0178 106 The economics of electricity and SNG from in-situ coal gasification
 0178 202 A review of information relevant to tube corrosion in a gas cooled, coal-fired, atmospheric pressure, fluidized-bed furnace
 0178 233 Survey of industrial coal conversion equipment capabilities: High-temperature, high-pressure gas purification
 0178 305 A review of the Badger Report FC-2416-24, conceptual design of a coal-to-methanol commercial plant, Feb. 1978
 0178 323 Control of hydrocarbon and carbon-monoxide emissions in the tail-gases from coal gasification facilities
 0178 381 Experimental studies on the land disposal of coal gasification residues
 0178 391 Fossil energy program quarterly progress report for the period ending December 31, 1978
 0178 392 Fossil energy program quarterly progress report for the period ending June 30, 1978
 0179 29 H//2/S-Removal processes for low-BTU coal gas
 0179 52 Evaluation of an in-situ coal gasification facility for producing M-gasoline via methanol
 0179 59 Evaluation of the Battelle agglomerating ash burner process for the production of medium BTU gas
 0179 63 Structural integrity of vessels for coal conversion systems
 0179 69 Process designs and economic evaluations for the linked-vertical-well in-situ coal gasification process
 0179 93 Economics of producing gasoline from underground coal gasification synthesis-gas
 0179 120 A review of supporting research at Oak-Ridge National Laboratory for Underground Coal Conversion.
 0179 160 Effect of NaOH treatment on surface properties of coal
 0179 217 Two-dimensional pyrolysis effects during in-situ coal gasification: Preliminary results
 0180 2 Hydrocarbonization of coal in a fluidized-bed
 0180 41 Fossil Energy Program Quarterly Progress Report for the period ending December 31, 1979
 0180 42 Fossil energy program quarterly progress report for the period ending March 31, 1980
 0180 76 Costs of environmental control processes for low Btu coal gasification plants
 0180 180 DUVAS: a real-time aromatic vapor monitor for coal conversion facilities
 0180 221 Fossil energy materials needs assessment
 0181 121 High-temperature gas-cooled reactor applications to fossil conversion processes
 0181 176 Environmental implications of synfuels: I. Processing the automated PDP-11 data components for the UMD gasifier facility
 0181 199 Environmental implications of small fixed-bed gasifiers for industry
 0181 209 Pyrolysis and physical properties of coal blocks
 0275 30 Hydrocarbonization research phase 1 report. Review and evaluation of hydrocarbonization data

0276	84	Evaluation of a coal liquefaction process using either a nuclear or fossil heat source
0277	2	Evaluation of the Synthoil Process, Volume 1, Process Design and Economic Evaluation of a 100,000 barrel/stream day facility
0277	23	The University of Utah's continuous coal hydrogenation process
0277	27	Evaluation of a commercial-scale hydrocarbonization process to produce clean-char, oil and pipeline-gas from coal
0277	31	Evaluation of the Synthoil process, Volume III, Unit block flow diagrams for a 100,000 barrel/stream day facility
0277	32	Hydrocarbonization process evaluation report, Volume II, Evaluation of process feasibility
0277	48	Supporting Research and Development on separations technology: Final Report
0277	53	Organics in aqueous process streams of a coal conversion bench-scale unit using the hydrocarbonization process: HPLC and GC/MS analysis
0277	79	Filtration of micron-sized particles from coal liquids: Carbonaceous precoat
0277	93	Coal liquefaction process research process survey, Research and Development Interim Report No. 2, data source book
0277	123	PRP - A discounted cash flow program for calculating the production cost (product price) of the product from a process plant
0277	134	Exploratory studies of the application of gas-cooled reactors to coal conversion
0277	143	Engineering evaluations of coal conversion processes - Part 1, Hydrocarbonization and synthoil - information base, process selection, and preliminary evaluation of alternatives
0278	136	Scoping study on two flash-hydrolysis processes
0278	157	Pressurized carbonization of coal liquefaction by-product materials: Fluor advanced liquefaction and Parsons PGO processes
0278	163	Assessment of materials technology of pressure vessels and piping for coal conversion systems
0279	71	The role of metallography in failure analyses in coal conversion systems
0279	85	Solids formed in a solvent-refined-coal pilot-plant
0279	116	Failure analysis in coal conversion systems
0279	125	Economics of gasoline from underground coal gasification
0280	41	Assessment of advanced process concepts for liquefaction of low H//2:CO ratio synthesis gas based on the Kolbel slurry reactor and the Mobil-gasoline process
0280	61	Effect of chloroform - solubles in coal conversion in nonhydrogen-donating solvents
0280	110	Free-radical model for coal conversion. Effect of conversion level and concentration on thermolysis of bibenzyl
0280	148	Detection of primary and secondary amines in energy-related materials using an element-selective glow-discharge detector
0280	150	Determination of Benz(a)pyrene in petroleum substitutes
0280	171	Identification and quantification of polynuclear aromatic compounds in synthoil by room-temperature phosphorimetry
0280	224	Corrosion and stress corrosion cracking in coal liquefaction processes
0280	273	Stress corrosion studies in solvent-refined coal liquefaction pilot plants
0280	274	Technical support to the solvent refined coal (SRC) demonstration projects: assessment of current research and development
0280	275	Characterization of heat transfer in preheaters of bench-scale, solvent-refined coal apparatus
0280	312	Thermolysis of partial coal structures: bibenzyl and naphthols
0280	317	Assessment of current research and development in support of the US coal liquefaction demonstration plants program
0281	30	Coal-liquefaction products, shale-oil, and petroleum. Acute toxicity to freshwater algae
0281	45	Facile internal hydrogen rearrangement in coals
0281	47	Direct determination of selected polynuclear aromatic hydrocarbons in a coal liquefaction product by synchronous luminescence techniques
0281	63	Internal rearrangement of hydrogen during heating of coals with phenol
0281	181	Characterization of coal-solvent slurries and H-Coal PDU reactor effluent at high temperatures and pressures
0281	193	Experimental support for coal conversion demonstration projects at the Oak Ridge National Laboratory: preheater rheology, slurry mixing, and vacuum bottoms viscosity
0281	230	Low-temperature hydrogen transfer and cracking catalysis in molten SbCl//3-AlCl//3
0281	260	Corrosion of the wash solvent column at the Fort Lewis, Washington, solvent refined coal pilot plant
0281	264	Hydrocarbonization Research: Completion report

0281 265	Liquefaction technology assessment - Phase 1: Indirect liquefaction of coal to methanol and gasoline using available technology
0281 329	Technical and economic evaluation of selected coal liquefaction processes. Phase 0. Preliminary screening evaluations
0281 332	The impact of environmental control costs on an indirect coal liquefaction process
0282 31	Carbon-14 tracer study of the fate of tetralin under simulated SRC-I coal liquefaction conditions
0282 63	Determination of polycyclic aromatic amines in natural and synthetic crudes
0378 40	Advances in coal beneficiation
0378 62	A survey of processes for high-temperature - high-pressure gas purification
0379 0	Survey and evaluation of current and potential coal beneficiation processes
0379 4	Dry coal handling and feeding test facility feasibility study
0379 43	Advances in coal beneficiation
0379 116	Correlation of physical coal separations - Part 1
0381 31	Determination of extraction equilibria for several metals in the development of a process designed to recover aluminum and other metals from coal combustion ash
0577 11	Characterization of organics in aqueous streams of coal conversion processes
0577 15	Assessment of environmental control technology for hydrocarbonization
0577 26	Environmental, Health, and Control Aspects of Coal Conversion: An information overview, Vol. 1
0577 32	Environmental, Health, and Control Aspects of coal conversion: An information overview, Vol. 2
0577 53	Radiochemical Impact of airborne effluents of coal-fired and nuclear power plants.
0578 38	Chemistry and biological hazard of a coal-ash seepage stream
0578 110	Studies for design of a solid waste management program
0579 73	Value of chemical fractionation for identifying the toxic compounds of complex aqueous effluents
0580 14	The expanded use of fossil fuels by the U.S. and the global carbon-dioxide problem
0580 128	Costs and technical characteristics of environmental control processes for low-Btu coal gasification plants
0580 136	Attenuation by soils of selected potential contaminants from coal conversion facilities: a literature review
0580 138	A methodology and a preliminary data base for examining the health risks of electricity generation from uranium and coal fuels
0580 141	DUVAS (Derivative UV-Absorption Spectrometer): Instrument description and operating manual
0580 162	Removal of metals from coal ash
0580 166	Land disposal of coal gasification residue
0581 7	Potential costs of complying with emission regulations for an indirect coal liquefaction process
0581 51	Oxidation state of arsenic in coal ash leachate
0581 64	A reevaluation of the toxicity of coal conversion process waters
0581 78	Coal conversion solid wastes: Characterization for environmental assessment
0677 116	Preliminary report on corrosion analysis of heat-exchanger tubes from a fluidized-bed coal combustor
0677 139	Design and performance testing of a coal feed and metering system for the MIUS fluidized-bed combustor
0677 156	Atmospheric fluidized-bed combustor technology test unit program
0678 16	New processes for the recovery of resource materials from coal combustion wastes
0678 74	Effects of alternate fuels. Report No. 2. Analysis of basic refractories degraded by residual oil combustion products
0678 107	Instabilities in a coal-burning fluidized-bed
0679 10	Evolution of a conceptual design for a coal-fired fluidized-bed combustion furnace for a MIUS closed-cycle gas-turbine
0679 48	Summary of the research and development effort on open-cycle coal-fired gas-turbines
0679 49	Assessment of an atmospheric fluidized-bed coal-combustion gas-turbine cogeneration system for industrial application
0679 55	Heat-transfer performance of an air-cooled tube in a fluidized-bed furnace
0679 138	Technology assessment for an atmospheric fluidized-bed combustion demonstration plant
0679 196	The economics of near-term alternatives for coal based electricity generation
0680 3	Mercury partitioning in a power plant plume and its influence on atmospheric removal mechanisms
0680 105	Development progress on the atmospheric fluidized-bed coal combustor for cogeneration gas turbine system for industrial cogeneration plants
0680 126	Some etching studies of the microstructure and composition of large aluminosilicate particles in fly-ash from coal-burning power-plants
0680 241	Chemical species in fly ash from coal-burning power plants
0681 131	Cenospheres in fly ash and conditions favouring their formation

CORPORATE AUTHOR INDEX

0681 161 Fuel cycle analysis for fossil energy systems: coal combustion
 0681 172 Coal and limestone feed testing for atmospheric fluidized bed combustion
 0681 206 Development support by ORNL for TVA AFB pilot plant
 0682 17 International energy technology assessment - atmospheric fluidized-bed combustion
 0781 38 Coal structure
 1073 11 Trace impurities in fuels by isotope dilution mass-spectrometry
 1073 17 Trace-element mass balance around a coal-fired steam plant
 1077 45 Isotopic studies of thermally induced reactions of coal and coal-like structures
 1078 171 SEM and EMA studies of a solvent refined coal pilot plant carbonaceous plug
 1079 16 Coal Dissolution Studies: Particle size distribution in coal-derived liquids as a function of degree of coal conversion
 1079 18 Separation of dry crushed coals by high-gradient magnetic separation
 1079 26 Simultaneous multiwavelength detection system for liquid-chromatography
 1079 38 Pyrolysis of tetralin
 1079 70 Coal chemistry. 8. Reactions of tetralin with coal and some carbon-14-containing model compounds
 1079 103 Transmitted near-Infrared microscopy of coal
 1079 131 Characterization of organics in aqueous effluents of coal conversion processes
 1079 238 The effect of reagent access in coal reactivity
 1080 136 Coal block pyrolysis: Effects of changing surface characteristics
 1080 151 Characteristics of catalyst-impregnated coal samples
 1080 209 Forms of sulfur in East Texas lignitic coal
 1080 219 A state-of-the-art assessment of heat transfer equipment
 1080 224 Chemical characterization of mutagenic nitrogen-containing polycyclic aromatic hydrocarbons in fossil fuels
 1081 109 Virial coefficients in determination of molecular weights on solutions of coal derivatives
 1081 166 The ultrafine structure of coal determined by electron microscopy
 1081 169 Physical and chemical structure of coals: Sorption studies
 1082 1 Structure analysis of coals by resolution enhanced solid state ¹³C N.M.R. spectroscopy
 1082 13 Particle size and molecular weights of derivatives from coal
 1082 19 Mass spectral characterization of nitrogen-containing compounds with ammonia chemical ionization
 1082 76 A rapid screening procedure for a 2-aminonaphthalene in natural, synthetic refined crudes
 1179 9 An assessment of national consequences of increased coal utilization, executive summary, Volume 1
 1179 10 An assessment of national consequences of increased coal utilization, executive summary, Volume 2

OCCIDENTAL PETROLEUM CORPORATION, LOS ANGELES, CALIFORNIA

0180 130 Recovering hydrocarbons from hydrocarbon-containing vapors
 0281 359 Process for minimizing solids contamination of liquids from coal pyrolysis

OCCIDENTAL RESEARCH CORPORATION, IRVINE, CALIFORNIA

0179 318 Effect of carrier gas on tar yield and quality of occidental flash pyrolysis
 0180 48 Kinetics of coal pyrolysis reactions in a flash pyrolysis process
 0277 124 Flash-pyrolysis coal liquefaction process development annual report for January - December 1977
 0279 147 Flash pyrolysis coal liquefaction process development, final report for July 1976 - June 1978
 0281 284 Occidental controlled flash pyrolysis process and its application to power generation
 0282 158 Pyrolysis process for producing condensed stabilized hydrocarbons
 0380 112 Induced fluorescent sorting technique holds promise
 0380 176 Sulfur removal from coal char using convert-remove technology

OCCIDENTAL RESEARCH CORPORATION, LA VERNE, CALIFORNIA

0277 74 Hydrorefining of flash pyrolysis coal-tar
 0377 57 Improved hydrosulfurization of coal-char by acid leach

OCCIDENTAL RESEARCH GROUP, LEXINGTON, KENTUCKY

0480 144 Subsidence and its effect on longwall mine design

CORPORATE AUTHOR INDEX
OFFICE OF AIR QUALITY PLANNING AND STANDARDS, RESEARCH TRIANGLE PARK, NORTH CAROLINA
0580 187 A review of standards of performance for new stationary sources - coal preparation plants

OFFICE OF ENERGY ACTIVITIES, DENVER, COLORADO

0476 1 Surface coal mining in the Northern-Great-Plains of the Western-United-States
0678 40 Coal-fired power plant trace-element study

OFFICE OF ENERGY, MINERALS AND INDUSTRY, WASHINGTON, DISTRICT OF COLUMBIA

0476 1 Surface coal mining in the Northern-Great-Plains of the Western-United-States

OFFICE OF SCIENCE AND TECHNOLOGY, WASHINGTON, DISTRICT OF COLUMBIA

1173 0 An assessment of new options in energy research and development

OFFICE OF SURFACE MINING, CHARLESTON, WEST VIRGINIA

0479 202 Impact of OSM's regulations on deep mines
0480 183 Dissolved solids from Appalachia coal mining
0480 184 Chemical flocculation in coal mine sediment ponds

OFFICE OF TECHNOLOGY ASSESSMENT, UNITED STATES CONGRESS, WASHINGTON, DISTRICT OF COLUMBIA

0679 36 Water and energy in the western coal lands

OFFICE OF THE BRITISH COLUMBIA COAL CO ORDINATOR, VANCOUVER, BRITISH COLUMBIA

0281 219 Coal conversion in British Columbia, a status report

OHIO GEOLOGICAL SURVEY, OHIO

0777 22 Geology and mineral resources of Washington-County, Ohio

OHIO STATE UNIVERSITY, COLUMBUS, OHIO

0174 25 Materials problems and research opportunities in coal conversion, Volume 1: conclusions and recommendations
0174 30 Materials problems and research opportunities in coal conversion: Volume 2. Presentations by speakers and background materials
0179 109 Structural and fracture mechanics simulations associated with in-situ gasification of bituminous coals
0181 78 A homogeneous model for reactant conversions in a vertical pneumatic transport reactor for catalytic reactions
0182 39 Temperature and cavity configuration modeling associated with moving boundary in underground coal conversion problems
0182 95 Status of technology associated with cavity and subsidence response prediction associated with underground coal conversion
0280 364 Modeling of temperature gradients and heat flux in coal seams during underground liquefaction processing
0378 23 Microbiological desulfurization of coal
0382 23 Recovery of fine-particle coal by colloid flotation
0678 262 Materials in coal utilization: mechanical and electrical properties
0681 182 Fundamental research in coal combustion: what use is it?
0682 19 Char combustion and utilization
0682 44 Simulation of particulate removal in gas-solid fluidized beds
1079 259 Thermo-mechanical failure criteria for rock media

OHIO UNIVERSITY, ATHENS, OHIO

0181 169 Process for the concurrent production of hydrogen, carbon-monoxide and low-volatile, low sulfur char by flash carbonization of coal.
0182 51 Process for the concurrent production of hydrogen, carbon-monoxide and low-volatile, low-sulfur char by flash carbonization of coal
1082 36 Diffuse reflectance infrared spectrometry of powdered coals

OKAYAMA UNIVERSITY, OKAYAMA, JAPAN

0181 116 Effects of catalysis and composition of inlet gas on gasification of carbon and coal

OKLAHOMA STATE UNIVERSITY, STILLWATER, OKLAHOMA

- 0277 45 Catalysts for upgrading coal-derived liquids
 0278 232 Catalysts for upgrading coal-derived liquids-Final report, June 9, 1975-March 8, 1978
 0279 2 Solvent-refined-coal (SRC) process: Research and Development Report No. 53, Interim Report No. 19, Volume IV. Product studies, Part 10, Final Report of coal liquids catalyst work performed at Oklahoma State University, June 1970 - June 1975
 0279 4 Solvent-refined-coal (SRC) process: Research and development report No. 53, Interim Report No. 18, Volume IV: Product Studies, Part 9, An investigation of the activity of two cobalt-molybdenum-alumina catalysts for hydrodesulfurization of a coal-derived liquid
 0279 164 Coal derived liquids hydro-treatment-catalysts deactivation study - dissertation
 0280 251 Coal-derived oils hydro-treatment catalyst activity performance
 0280 299 Chemical composition of raw and upgraded anthracene oil and the chemistry of coal liquids upgrading
 0280 304 Comparison of the hydrodesulfurization and hydrodenitrogenation activities of monolith alumina impregnated with Co and Mo and Nalco 474 catalysts
 0281 237 Chemical composition of raw and upgraded anthracene oil and the chemistry of coal-liquids upgrading
 0281 244 A comparison of the hydrodesulfurization and hydrodenitrogenation activities of monolith alumina impregnated with cobalt and molybdenum and a commercial catalyst
 0281 262 Catalysts for up-grading coal derived liquids, Qtr Report - October 1 - December 31, 1980
 0378 83 Catalyst aging tests and the role of catalyst wetting on hydrodesulfurization of a coal derived liquid - dissertation
 0478 246 Monitoring of mining equipment hydraulics through adaptation of the statistical analog monitor. Final report. Contractor-Fluid Power Research Center. Oklahoma State University
 0581 84 Synthetic fuel effluents
 0780 36 Photoacoustic infrared spectra (IR-PAS) of aged and fresh-cleaved coal surfaces
 1077 44 Photochemistry hydrogen atoms as a structural probe of the surface of coal
 1077 96 Mass spectrometric analytical services and research activities to support coal-liquid characterization research
 1079 55 Nitrogen removal from a coal-derived liquid 1. Effect of catalyst support properties
 1080 137 Interaction of H atoms with ultrafine coal dust - Final technical report
 1177 0 Energy from the West: A progress report of a technology assessment of Western energy resource development. Executive summary
 1177 5 Evaluation of wind generator economics in a load duration context

OLD DOMINION UNIVERSITY, NORFOLK, VIRGINIA

- 1081 6 Fourier transform infrared spectrometric detection in size exclusion chromatographic separation of polar synfuel material

ONTARIO HYDRO, TORONTO, ONTARIO

- 0381 101 Froth flotation studies on an eastern US coal
 0381 114 Pilot plant study of the spherical agglomeration process
 0581 95 Coal cleaning for control of emissions
 0681 210 Western Canadian-US coal blending tests: effects of blending on high-temperature and low-temperature deposition rates
 0682 50 Coal: key to flexibility
 1081 232 Acid rain: a re-evaluation of some issues

ONTARIO RESEARCH FOUNDATION, MISSISSAUGA, ONTARIO

- 0379 36 Bench and pilot-plant beneficiation of calcium carbonate, sand and other industrial minerals
 0481 105 The impact on underground ventilation of the reduction of diesel emissions toxicity by water-in-oil fuel emulsification

OREGON GRADUATE CENTRE, BEAVERTON, OREGON

- 0382 33 Coal desulfurization by leaching involving acidophilic and thermophilic microorganisms

OREGON STATE UNIVERSITY, CORVALLIS, OREGON

- 0677 204 Oregon State University fluidized-bed research
 0680 26 A comparison of the Plume model with currently used models for atmospheric fluidized bed combustion
 0681 6 Plume model for large particle fluidized-bed combustors
 0681 149 A model for large scale atmospheric fluidized bed combustors
 0682 41 Plume model for sulphur capture in large-scale, atmospheric fluidized-bed combustors

OSAKA UNIVERSITY, OSAKA, JAPAN

- 0279 40 Organic reactions in fused salts. Part XV. The hydrocracking of solvent-refined-coals over molten salt catalysts
 0280 22 Improved method to alkylate Yubari coal of Japan using molten potassium under refluxing THF
 0282 4 Hydrogenation of Yubari coal coated with $ZnCl_2/2-MCl/n(CuCl, CrCl_3, and MoCl_5)$ catalyst melts
 0282 9 Catalytic activities of binary molten salts composed of $ZnCl_2$ and metal chlorides for hydrocracking of phenanthrene
 0282 58 Effects of petrographic constituents in three Yallourn brown coal lithotypes on hydroliquefaction processes

OTISCA INDUSTRIES LIMITED, NEW YORK, NEW YORK

- 0379 103 Otisca process goes on line
 0380 104 Processes for recovering coal

OTISCA INDUSTRIES LIMITED, SYRACUSE, NEW YORK

- 0381 19 Coal recovery process

PACE COMPANY, HOUSTON, TEXAS

- 0181 214 The outlook for synthesis gas

PACIFIC GAS AND ELECTRIC COMPANY, SAN FRANCISCO, CALIFORNIA

- 0575 3 Key environmental considerations in remote-siting of coal gasification facilities

PACIFIC NORTHWEST LABORATORY, RICHLAND, WASHINGTON

- 0181 189 A comparative economic analysis of several CAES design studies
 0280 60 Radical pathways of coal dissolution in hydrogen donor media, 2. Scission and 1,2 aryl migration reactions of radicals derived from methylindans and tetralin at 327-627-degrees-C
 0281 228 In-vitro assay for mutagenic activity and gas chromatographic-mass spectral analysis of coal liquefaction material and the products resulting from its hydrogenation
 0282 59 Effect of process distillation on the distribution of amino polycyclic aromatic hydrocarbons in refined coal-derived liquids
 0282 119 Determination of alkyl anilines and alkyl pyridines in solvent refined coal distillates and aqueous extracts by gas chromatography/mass spectrometry
 0478 219 Factors affecting the service life of large-diameter wire rope
 0478 311 Development of shaft lining and service line extension systems compatible with blind shaft borer excavation rates - final technical report
 0579 28 Characterization and formation of submicron particles in coal-fired plants
 0580 96 Atmospheric trace element pollutants from coal combustion
 1179 9 An assessment of national consequences of increased coal utilization, executive summary, Volume 1
 1179 10 An assessment of national consequences of increased coal utilization, executive summary, Volume 2

PACKARD INSTRUMENT GMBH, FRANKFURT, WEST GERMANY

- 1080 5 Application of a multidimensional switching system (MDSS) to coal-tar analysis

PARKSON CORP., FORT LAUDERDALE, FLORIDA

- 0581 47 The dewatering of fine coal refuse with a continuous high performance belt filter press

PAUL WEIR COMPANY, CHICAGO, ILLINOIS

- 1079 0 Evaluating and testing the coking properties of coal

- PD NCB CONSULTANTS LIMITED, ENFIELD, MIDDLESEX, UNITED KINGDOM
0678 160 A review of spontaneous combustion problems and controls with application to U.S. coal mines. Final technical report. Contractor - PD - NCB Consultants Limited. Dames & Moore
- PEABODY COAL COMPANY, ST. LOUIS, MISSOURI
0477 117 The process of developing a western coal mine
0479 105 Case for conventional mining
0479 207 Making noise control work at Peabody Coal Company
0579 49 Impact of the Federal Mine Health & Safety Act on underground mine-ventilation
- PEAT INSTITUTE, AS BELORUSSA, USSR
1078 161 Formation of the porous structure of carbonaceous materials from peat
- PEDCO ENVIRONMENTAL, INC., CINCINNATI, OHIO
1077 1 Preliminary evaluation of sulfur variability in low-sulfur-coals from selected mines
- PEDCO ENVIRONMENTAL, INC., DALLAS, TEXAS
0381 81 Cost benefits associated with the use of physically cleaned coal
- PENN ENVIRONMENTAL CONSULTANTS INC., PITTSBURGH, PENNSYLVANIA
0481 9 Technical consideration for siting chemical wastes
- PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES, HARRISBURG, PENNSYLVANIA
0579 89 Linear relationships between mine flow-acid and influence of depositional environment
- PENNSYLVANIA GEOLOGICAL SURVEY, HARRISBURG, PENNSYLVANIA
0777 20 Analyses and measured sections of Pennsylvania bituminous coals, Part III
- PENNSYLVANIA POWER & LIGHT COMPANY, ALLENTOWN, PENNSYLVANIA
0181 50 The conversion of coal to gas and liquid fuels
0379 102 Dedusting ahead of the plant
- PENNSYLVANIA STATE UNIVERSITY, MCKEESPORT, PENNSYLVANIA
0280 295 Synthesis gas conversion to gasoline range hydrocarbons over medium pore zeolite catalysts containing 3d-metals and bimetallics
- PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA
0173 40 Problems in pulverized coal and char combustion
0177 224 Effects of heat treatment conditions on reactivity of chars in air
0178 374 Gasification rates as related to coal properties
0178 404 Problem areas in catalytic production of fuels and chemicals from syngas
0179 142 Reactivity of heat-treated coals in steam
0179 320 Isothermal furnace studies of the kinetics of lignite pyrolysis
0179 335 Specifications and design of a pressurized laminar-flow isothermal reactor for studies of coal reactivity
0180 202 Pore system in coal chars. Implications for diffusion parameters and gasification
0181 1 Scientific basis of coal gasification
0181 162 Moessbauer and magnetic studies of bifunctional medium-pore zeolite-iron catalysts used in synthesis gas conversion
- 0274 10 The relation of coal characteristics to coal liquefaction behavior
0275 8 Dependence of coal liquefaction behavior on coal characteristics
0275 29 Characterization of mineral matter in coals and coal liquefaction residues, annual report
0277 128 Characterization of mineral matter in coals and coal liquefaction residues. Annual report
0278 73 The role of oxygen functional groups in the mechanisms of coal liquefaction
0278 104 Coal liquefaction and national needs
0278 182 Characterization of mineral matter in coals and coal liquefaction residues
0278 201 The relation of coal characteristics to liquefaction behavior. Quarterly progress report
0279 44 The nature of solids accumulated during solvent-refining of coal

- 0279 213 Some aspects of the mechanism and kinetics of coal liquefaction - dissertation
0280 12 Dependence of coal liquefaction behaviour on coal characteristics --4. Cluster analyses for characteristics of 104 coals
- 0280 104 Dependence of coal liquefaction behaviour on coal characteristics. 5. Data from a continuous flow reactor
0280 105 The relationship between fuel-nitrogen-to NOx conversion efficiency and boiling range for coal-derived liquid fuel combustion
- 0280 106 The effect of increased aromaticity on the combustion characteristics of paraffinic kerosine
0280 187 Structural changes occurring in coal liquefaction
0280 199 A simultaneous IR/kinetic study of supported platinum methanation catalysts
0280 329 Chemical changes in coal liquefaction
0280 354 Characterization of mineral matter in coals and coal liquefaction residues
0280 357 Some aspects of the mechanism and kinetics of coal liquefaction reactions
0281 8 Models and activation energies for coal liquefaction reactions
0281 10 The dependence of coal liquefaction behavior on coal characteristics
0282 1 Role of retrogressive reaction in coal liquefaction
0282 142 Alternative interpretation of coal liquefaction catalysis by pyrite
0377 42 Use of the flotation process for desulfurization of coal
0378 29 Does your preparation plant score par performance?
0378 31 Cost estimation for coal prep financing
0379 1 Characterization of solid constituents in blackwater effluents from coal preparation plants
0379 71 A computer analysis of coal preparation plant economics and equipment selection
0379 115 Upgrading of low-quality aggregates for PPC and bituminous pavements
0379 131 An automated microscopical method for the characterization of pyrite in coal
0380 24 A preliminary analysis of smooth roll crushers
0380 164 Low temperature chemical fragmentation of coal
0473 2 An analysis of strip-mining methods and equipment selection
0476 25 Historical trends in coal utilization and supply
0477 184 Chemomechanical phenomena in the grinding of coal final report, February 1976 - May 1977
0477 192 The Reference-correction method for improving accuracy in the seismic location of trapped coal miners
0479 72 Analysis of United-States shortwall mining practice
0479 234 How to prepare for shielded trailing cables
0480 13 Analysis of equipment requirements for anthracite open-pit mining
0480 209 The effect of soil on the renovation of acid coal mine drainage water
0480 216 The interrelationship between coal mine plant and ventilation system design
0481 0 The management of coal composition for conversion processes
0481 52 Dynamic simulation of coal mine electrical power systems
0481 148 Microbiology of coal mine drainage treatment
0482 109 Acid mine drainage
0576 27 Reclamation of anthracite coal refuse using treated municipal waste-water and sludge
0578 43 Vegetation of anthracite refuse banks with municipal sewage effluent and sludge: Phase II
0578 107 Rotating-disc biological oxidation of ferrous iron in the acid mine drainage treatment - dissertation
0579 25 Effect of inorganic matter removal from coals and chars on their surface areas
0579 35 Forest composition at varying distances from a coal-burning power-plant
0580 135 Controlling the rate of acid loss from strip mine spoil
0581 0 NOx and soot formation in the combustion of coal-derived fuels
0582 25 A kinetic model of nitric oxide formation during pulverized coal combustion
0673 11 Studies on the combustion of natural-gas in a fluid-bed
0677 83 Variations in organic constituents of some low rank coals
0680 30 Fourier transform infrared study of the variation in the oxidation of a coking coal
0680 48 Combustion of alternative natural and synthetic fuels
0680 53 The sticking temperature and adhesion force of slag droplets from four coals on oxidized mild steel
0681 0 Scientific aspects of the combustion of coal-oil, coal-water and coal-oil-water mixtures
0681 53 Studies on slag deposit formation in pulverized coal combustors. 1. Results on the wetting and adherence of synthetic coal ash drops on steel
0681 54 Studies on slag deposit formation in pulverized coal combustors. 2. Results on the wetting and adhesion of synthetic ash drops on different steel substrates
0681 158 An investigation of slurry fuel combustion - Final Report

- 0682 2 Studies on slag deposit formation in pulverized-coal combustors. 3. Preliminary hypothesis for the sticking behaviour of slag drops on steels
- 0682 40 Studies on slag deposit formation in pulverized-coal combustors. 4. Comparison of sticking behaviour of minerals and low-temperature and ASTM high-temperature coal ash on medium carbon steel substrates
- 0776 16 Pyrite in Coal: Its forms and distribution as related to the environments of coal deposition in three selected coals from Western Pennsylvania
- 0778 11 Some relationships between stripmining and ground-water
- 0779 48 Chemomechanical behavior of coal
- 0781 0 Coal origins and characteristics: an overview
- 0781 1 Coals as colloidal systems
- 0781 3 Organic geochemistry and chemistry of coal macerals
- 0781 11 Inorganic constituents in American lignites
- 0781 15 Breakage parameters of some materials in smooth roll crushers
- 0781 16 Breakage properties of some materials in a laboratory ball mill
- 0781 18 Vitritinite reflectance anisotropy as a tectonic fabric element
- 0781 21 Determination of kaolinite in coal by infrared spectroscopy - a comment
- 1073 18 Major, minor, and trace-elements in the liquid product and solid residue from catalytic hydrogenation of coals
- 1076 32 Characteristics of American coals in relation to their conversion into clear energy fuels
- 1077 39 Phenols as chemical fossils in coals
- 1077 61 A geochemical study of the inorganic constituents in some low-rank coals
- 1077 72 Effect of cation exchange on the subsequent reactivity of lignite chars to steam. Technical report No. 4
- 1077 74 Characteristics of chars produced by pyrolysis following rapid heating of pulverized coal. Technical report 2
- 1077 87 Survey of selected agencies conducted to determine the extent to which the nation's coals are adequately characterized. Technical Report No. 5
- 1078 55 New method for elucidating the structures of coal
- 1078 63 Fourier transform infrared study of mineral matter in coal. A novel method for quantitative mineralogical analysis
- 1078 69 Study of the interrelationships among chemical and petrographic variables of United-States coals. Technical report 9
- 1078 74 A study of production and growth of sulfate particles in plumes from a coal-fired power-plant
- 1078 84 The measurement of reflectance of coal macerals - Its automation and significance. Technical Report 10
- 1078 85 A review of some physical methods of coal characterization, their application in constitution analysis and relevance to industrial utilization. Technical Report 11
- 1078 172 A mounting medium for coal particles
- 1078 185 A re-evaluation of carbon ring structure in coal
- 1078 186 A discussion of some of the methods of physical characterization used for coal
- 1079 77 Determination of the mineral-matter contents of coals by low-temperature ashing
- 1079 96 Hydroxyl contents of coals: New data and statistical analyses
- 1079 97 Application of fourier-transform infrared spectroscopy to the characterization of fractionated coal liquids
- 1079 102 Investigation of retrogressive reactions leading to the carbonization of solvent-refined-coal
- 1079 110 Coal structure and coal liquefaction. Final report, May 1979
- 1079 117 Inorganic element analysis of coal particles using computer evaluation of scanning electron microscopy images.
- 1080 4 Fourier transform infrared studies of coal and mineral matter in coal
- 1080 24 Analysis of kaolinite in coal by infrared spectroscopy
- 1080 28 Concerning the putative presence of nitrate in lignites
- 1080 67 Geochemistry of amino acids in some Florida peat accumulations -- 2. amino-acid distributions
- 1080 77 Production of pyrrhotites by pyrite reduction
- 1080 85 Dihydroaromatic structure of Illinois No. 6 Monterey coal
- 1080 100 Measurement of swelling of coals in organic liquids - A new approach
- 1080 115 Chemical structure of Wyodak coal
- 1080 127 Oxidation methods for the study of coal structure - dissertation
- 1080 186 The effects of preoxidation on the swelling and softening of bituminous coals
- 1080 187 Evaluation of an automated reflectance microscope system for coal characterization
- 1080 195 The application of fourier transform infrared spectroscopy to the characterization of coal structure
- 1080 220 The development and evaluation of an automated reflectance microscope system for the petrographic characterization of bituminous coals
- 1081 0 The nature of coal and coal seams

- 1081 1 Fourier transform infrared spectroscopy as a tool in coal research
 1081 2 Mineral matter in coals
 1081 5 Microporosity in coal: its characterization and its implication for coal utilization
 1081 9 Low temperature air oxidation of caking coals: Fourier transform infrared studies
 1081 23 Effect of surfaces on the yield of volatiles from coal
 1081 29 Linear alkane chains in coals
 1081 34 Reliability of determinations of pyritic iron in coals using standard procedures
 1081 74 Concerning the application of FT-IR to the study of coal: A critical assessment of band assignments and the application of spectral analysis programs
 1081 163 Structure of coals and their conversion to gaseous fuels
 1081 180 Carbon-13 CP/MAS study of coal macerals of varying rank
 1082 5 Low-temperature air oxidation of caking coals. 2. Effect on swelling and softening properties
 1082 20 Chemical characterization of solid coals through magic-angle C-13 nuclear magnetic resonance
 1082 38 Aryl-alkyl groups in coals
 1082 52 Characterization of vitrinite concentrates. 1. Fourier Transform infrared studies
 1178 29 Problems of coal supply forecasting
- PENTANYL TECHNOLOGIES INCORPORATED, ARVADA, COLORADO
 0381 120 Removal of organic sulfur from coal
- PÉNTOL GMBH, WEIL A/RHEIN, WEST GERMANY
 0677 102 Technical evaluation of magnesia's influence on fireside deposits, combustion, and emissions on oil-fired boilers
- PERKIN ELMER CORPORATION, NORWALK, CONNECTICUT
 1081 10 Liquid chromatographic separation of alkylphenols with fluorescence and ultraviolet detection
 1081 198 Recent advances in microcomputer controlled thermogravimetry of coal and coal products
 1082 18 Analysis of complex samples by coupled-column chromatography
 1082 82 Hydrocarbon class fractionation with bonded-phase liquid chromatography
- PETER KIEWIT SONS' COMPANY, SHERIDAN, WYOMING
 0579 102 Reclamation techniques and vegetation response of decker coal
 0780 32 Geology of the Decker coal area
- PETROCARB, INC., NEW YORK, NEW YORK
 0677 58 The petrocarb pneumatic feeding - A proved method for feeding particulate solids at controlled rates
- PETROCARBON DEVELOPMENTS LIMITED, MANCHESTER, UNITED KINGDOM
 0180 206 Treatment of ammonia synthesis purge gas
- PETROLITE CORPORATION, ST. LOUIS, MISSOURI
 0882 28 Novel slurry transport medium
- PHELPS DODGE OF AFRICA LIMITED, JOHANNESBURG, SOUTH AFRICA
 0979 10 Basinal analysis of the ecca and lowermost beaufort beds and associated coal, uranium and heavy mineral beach sand occurrences
- PHILADELPHIA ELECTRIC COMPANY, PHILADELPHIA
 0180 288 Control strategy for gasification combined-cycle power plants
- PHILADELPHIA GEAR CORPORATION, KING OF PRUSSIA, PENNSYLVANIA
 0882 48 Application and experience of hydroviscous drives in slurry pipeline pump service
- PHILLIPS PETROLEUM COMPANY, BARTLESVILLE, OKLAHOMA
 0280 197 Surface studies of the interaction of nickel and antimony on cracking catalysts
 0380 57 Apparatus for carbon black production from coal
 0380 156 Process for converting sulfur in hydrocarbon to water soluble form

CORPORATE AUTHOR INDEX

1079 93 On auger electron spectroscopic measurements of zinc-chloride-coal interaction
1081 33 Phillips' computer system for pilot plants

PHILLIPS PETROLEUM COMPANY, HOMER CITY, PENNSYLVANIA

0176 107 BI-gas pilot plant program. Annual Report for the Fiscal Year 1976
0177 110 Gas Generator research and development, BI-gas process, Interim Report, July 1976 - June 1977, BCR Report L-828
0177 200 BI-GAS pilot-plant experience in mass flow measurement

PHYSICAL SCIENCE LABORATORY, OTTAWA, ONTARIO

0879 26 Review of the effects of corrosion inhibitors in coal-water slurry pipelines

PHYSICAL SCIENCES, INC., WOBURN, MASSACHUSETTS

0178 266 Modeling of coal gasification for fuel-cell utilization. Final report, May 1976 - June 1978
0179 36 Coal processing for fuel-cell application. Task report - Task V. Modeling of wet-gas cleanup
0179 55 Coal processing for fuel cell utilization: Task VIII. H₂/S removal by calcium-based sorbents
0179 65 Coal processing for fuel cell utilization. Task VII. A computer model for fluidized-bed coal gasification
0179 156 Char gasification: 1. Transport Model
0179 157 Char gasification -- 2. Oxidation results
0679 89 Structure of coal char- 1. Pore branching
0679 90 Structure of coal char - 2. Pore combination

PICKANDS MATHER & CO., CLEVELAND, OHIO

0779 46 Site selection for coal mine shafts using geological investigation

PIPELINE SYSTEMS INCORPORATED, ORINDA, CALIFORNIA

0881 4 Coal/methanol slurry lines show promise
0881 12 Pipeline transportation of coal
0881 20 Slurry pipelines. design, research and experience
0881 26 From Reynolds to Wasp - Development of an industry
0882 6 Coal transportation - the economic alternatives
0882 24 Alberta coal supply pipeline study - 1981
0882 64 Western Canadian coal transport by slurry pipeline

PITTSBURGH & MIDWAY COAL MINING COMPANY, ENGLEWOOD, COLORADO

0280 355 Solvent refined coal (SRC) process: trace elements, Volume 3 Pilot Plant development work. Part 6 - The fate of trace elements in the SRC process
0281 331 Solvent refined coal (SRC) process, a final report on the pilot plant major modifications project - Task 16
0282 160 Short residence time coal liquefaction process including catalytic hydrogenation
0282 169 Process for blending coal with water immiscible liquid

PITTSBURGH & MIDWAY COAL MINING COMPANY, FT. LEWIS, WASHINGTON

0274 4 The solvent-refined coal process
0278 46 Operation of the Ft.-Lewis, Washington Solvent-Refined-Coal (SRC) pilot plant in the SRC I and SRC II processing modes
0279 64 SRC corrosion can be solved

PITTSBURGH & MIDWAY COAL MINING COMPANY, KANSAS CITY, MISSOURI

0174 42 Development of a process for producing an ashless, low-sulfur-fuel from coal, Volume IV. Product studies, Part 5. Developmental and rate studies in processing of coal minerals
0268 0 Development of a process for producing an ashless, low-sulfur-fuel from coal, Part 1. Design of pilot plant
0270 0 Economic evaluation of a process to produce ashless, low-sulfur fuel from coal
0271 0 Development of a process for producing an ashless, low-sulfur-fuel from coal: Autoclave experiments
0272 0 Development of a process for producing an ashless low-sulfur fuel-coal. Part 3. COG Refinery economic evaluation, Phase II
0274 6 Development of a process for producing an ashless, low-sulfur-fuel from coal. Part 4. Impact of the solvent-refined coal process

- 0274 8 Development of a process for producing an ashless, low-sulfur-fuel from coal. Volume IV. Product studies. Part 4. Sulfur removal from coal minerals
- 0276 74 Solvent-refined-coal (SRC) process. Annual report, 1975
- PITTSBURGH & MIDWAY
- 0277 121 COAL MINING COMPANY, MERRIAM, KANSAS
- 0278 118 Solvent-refined-coal (SRC) process. Annual report 1976
- 0278 118 Solvent-refined-coal (SRC) process: Trace-elements, Research & development report No. 53, Interim report No. 26, Volume III: Pilot-plant development work, Part 6: The fate of trace-elements in the SRC process
- 0280 322 Disposable catalysts in the solvent refined coal processes
- 0578 44 Solvent-refined-coal (SRC) process: Environmental program, Research & development report No. 53, Interim report No. 25, Volume III: Pilot-plant development work for the period January 1972 - June 1977
- PITTSBURGH & MIDWAY
- 0278 117 COAL MINING COMPANY, SHAWNEE MISSION, KANSAS
- 0278 117 Solvent-refined-coal (SRC) process. Development of a process for producing an ashless, low sulfur fuel from coal. Volume 11, Laboratory studies, part 4. Laboratory reactor studies and development of process variations
- 0278 130 Solvent-refined-coal (SRC) process: Health Programs, R&D Report No. 53, Interim Report No. 24, Volume III - Pilot-plant development work, Part IV - Industrial hygiene, clinical and toxicological programs
- 0278 141 Solvent-refined-coal (SRC) process. Annual technical progress report for the period January - December 1977
- 0279 2 Solvent-refined-coal (SRC) process: Research and Development Report No. 53, Interim Report No. 19, Volume IV, Product studies, Part 10, Final Report of coal liquids catalyst work performed at Oklahoma State University, June 1970 - June 1975
- 0378 46 Solvent-refined-coal (SRC) process: Development of a process for producing an ashless, low-sulfur fuel from coal. Research and development report No. 53, Interim report No. 20, Volume IV. Product Studies. Part II. Processing of coal minerals for the period 1975 - 1976
- 0478 265 Application of high volume earthmoving methods to the reclamation of area-mined spoil banks. Final Report
- 0579 1 Solvent-Refined-Coal (SRC) process: Environmental Program, R&D Report No. 53, Interim Report No. 27, Volume III: Pilot-plant development work, Part 5: Environmental program for the period July 1977 - June 1978
- PITTSBURGH COAL RESEARCH CENTER, PITTSBURGH, PENNSYLVANIA
- 1063 3 Plastic, agglutinating, and free-swelling properties of American coals
- 1067 2 Yields and analyses of tars and light oils from carbonization of U.S. coals
- PITTSBURGH ENERGY RESEARCH CENTER, BRUCETON, PENNSYLVANIA
- 0376 18 Physical desulfurization of fine-size coals on a spiral concentrator
- PITTSBURGH ENERGY RESEARCH CENTER, PITTSBURGH, PENNSYLVANIA
- 0173 28 An economic evaluation of MHD-steam powerplants employing coal gasification
- 0173 35 Devolatilization of coal by rapid heating
- 0173 42 Pressurized hydrogasification of raw coal in a dilute-phase-reactor
- 0174 19 Clean Energy from Coal - New Developments
- 0175 39 Influence of synthane gasifier conditions on effluent and product-gas production
- 0176 128 Reactivity and gasification characteristics of low ranking coals and potentially reducing waste materials
- 0176 126 Results and analysis of three experiments in a bench-scale tube-wall methanation reactor
- 0177 145 Treatability studies of condensate water from synthane coal gasification
- 0177 299 Statistical analysis and linear programming model for Illinois No.6 coal gasification data from the synthane process
- 0177 301 Deactivation of Raney nickel methanation catalyst
- 0177 304 Decomposition characteristics of phenol under synthane gasifier conditions
- 0178 155 Production of SNG by free-fall dilute-phase hydrogasification of coal
- 0178 225 Effect of reduction temperature, carbiding and sulfur-poisoning on the methanation activity of Raney-nickel
- 0178 386 Fischer-tropsch studies in a bench-scale tube wall reactor using magnetite, raney iron, and taconite catalysts
- 0178 400 Biokinetics of activated sludge treatment of synthane fluidized bed gasification wastewaters
- 0178 402 Coal conversion: the role of the analyst
- 0275 16 Synthoil process and product analysis
- 0276 54 CUSTEAM - the newest coal liquefaction process
- 0276 94 Chromatographic and spectrometric investigation of a light oil produced by the synthoil process
- 0276 95 Aging studies of the synthoil product, Part II: Effects of time, temperature, atmosphere

CORPORATE AUTHOR INDEX

0277 3	Chromatographic characterization of Coal Liquefaction products
0277 41	Screening for hazardous elements and compounds in process streams of the 1/2-ton-per-day Synthoil process development unit
0277 55	Experience in feeding coal into a liquefaction process development unit
0277 96	Spectral studies of coal derived liquids
0277 142	Low-temperature pyrolysis of synthoil centrifuged solids
0277 144	Characterization of the heterocyclic compounds in coal liquefaction products. Part I: Nitrogen compounds
0278 26	Comparison of methods for determining asphaltenes in coal-derived liquid-fuels.
0278 27	Aqueous effluents from the synthoil process.
0278 42	Exploratory research in coal conversion
0278 75	Upgrading of solvent-refined-coal
0278 79	Evaluation of use of Syngas for coal liquefaction
0278 107	Viscosity of coal derived liquids
0278 108	Combined gas-chromatographic mass-spectrometric analyses of nitrogen bases in light oil from a coal liquefaction product
0278 164	An improved method for the analysis of coal liquids
0279 127	Coal liquefaction succeeds without added catalyst
0377 49	Oxidative desulfurization of coal
0481 6	Preventing frictional ignitions
0481 85	Continuous miner noise
0481 104	The noise exposure of operators of mobile machines in US surface coal mines. 1979
0482 62	How the six cleanest U.S. longwalls stay in compliance
0482 100	Controlled burnout at an abandoned coal mine fire
0482 106	Testing of fire-resistant conveyor belting
0576 10	Ambient air quality assessment for the Synthane coal gasification pilot plant
0576 11	Free fall dilute phase hydrogasification of coal
0581 39	Biogeochemistry of acid mine drainage and a method to control acid formation
0677 23	Combustion of coal-oil slurry in a 100-HP Firetube-Boiler
1073 8	Trace-elements in coal dust by spark-source mass-spectrometry
1077 43	Electron-spin-resonance studies of coals and coal-derived asphaltenes
1077 51	Heteroatom species in coal liquefaction products
1077 108	An automatic recording plastometer for plastic properties of coal
1078 43	Moessbauer-spectroscopy of iron in coal and coal hydrogenation products
1079 66	Estimating mineral matter in coal from its major inorganic elements
1080 68	Identification and geochemical significance of some aromatic components of coal
1180 37	Past trends in synthetic fuels R & D
PITTSBURGH ENERGY	
TECHNOLOGY CENTER, PITTSBURGH, PENNSYLVANIA	
0179 256	Mathematical modeling of synthane gasifier
0180 306	Separation and identification of sulfur heterocycles in coal-derived products
0181 9	Use of fundamental concepts in catalyst aging to increase catalyst utilization during coal liquefaction. steam reforming, and other carbon-forming reactions
0276 93	Method for the determination of benzene insolubles, asphaltenes, and oils in coal-derived liquids
0278 158	Processing of centrifuged solids from liquefied coal
0279 207	Coal liquefaction with synthesis gas
0280 221	Centrifugation of coal-derived liquids
0280 231	Heat transfer studies of packed bed reactors
0280 287	Comparison of methods for the determination of asphaltenes, oils and insolubles: part I - a coal-derived liquid
0280 295	Synthesis gas conversion to gasoline range hydrocarbons over medium pore zeolite catalysts containing 3d-metals and bimetallics
0280 369	Heat transfer characteristics of two-phase flow through packed beds
0281 112	Analysis of upgraded solvent-refined coal (SRC) liquid products
0281 128	1980 status review - hydroliquefaction of coal with supported catalysts
0281 173	Processes for direct coal liquefaction by solvent extraction
0281 175	Refining of coal liquids
0281 202	Thermal dispersion and heat transfer in nonisothermal bubble columns

- 0281 206 Catalyst deactivation during coal liquefaction: the effect of catalyst diameter
 0281 273 Dialytic extraction of coal and its application to the study of metals speciation
 0281 277 Research in the electrochemistry of coal-derived liquids
 0281 295 CBED Identification of type 3C pyrrhotite in coal liquefaction product
 0281 322 Study of catalytic effects of mineral matter level on coal reactivity
 0281 327 Preparation of bimodal aluminas and molybdena/alumina extrudates
 0282 47 Bifunctional metal-zeolite catalysts for indirect liquefaction
 0282 113 Catalyst deactivation during coal liquefaction. The effect of catalyst diameter
 0379 56 Reaction in a cascade of continuous stirred tank reactors of particles following the shrinking core model
 0380 147 Air/water oxydesulfurization of coal - Laboratory investigation
 0577 90 Chemical characterization of diesel exhaust particulates
 0681 102 Analysis of coal-oil mixture sedimentation by modified continuity wave theory
 0681 118 Combustion of solvent-refined coal in a 100-HP firetube boiler
 1079 226 Nature of the free radicals in coals, pyrolyzed coals, and liquefaction products
 1081 137 Solid and gaseous fuels
- PITTSBURGH MINING AND SAFETY RESEARCH CENTER, PITTSBURGH, PENNSYLVANIA
 0179 115 Studies of in-situ combustion in a surface trench facility
 0478 174 Methane drainage study in the Sunnyside coalbed, Utah
 0479 238 The Bureau of Mines research program on the human factors engineering of mining machinery
 0674 7 In-situ combustion of coal for energy
 0978 7 Experimental studies on the origin and accumulation of coalbed gas
 0979 6 Evaluation of the methane-gas content of coalbeds: Part of a complete coal exploration program for health and safety and resource evaluation
- PITTSBURGH MINING OPERATIONS CENTER, PITTSBURGH, PENNSYLVANIA
 0478 181 Peristaltic pumping: A new approach to pumping solids in slurry form. Report of investigations
- PITTSBURGH MINING TECHNOLOGY CENTER, PITTSBURGH, PENNSYLVANIA
 0282 106 Coal preparation for synfuels - where do we stand?
 0379 110 Washability characteristics of Arkansas and Texas Lignites: report of investigation
 0380 114 Evaluation of collector addition in the flotation of various U.S. coals
 0381 73 Coal preparation
 0381 91 Surface chemical
 1080 120 Evaluation of an optical microscope method for coal-pyrite/marcasite differentiation
- PITTSBON COMPANY COAL GROUP, MOUNT HOPE, WEST VIRGINIA
 0480 141 Safety - worker attitudes and habits
- PLANNING & FORECASTING CONSULTANTS, USA
 0881 43 A review of U.S. coal slurry pipeline industry: why - why not?
- PLANT RESOURCES INSTITUTE, SALT LAKE CITY, UTAH
 0579 95 Cloning - a prescription approach to revegetation
- PLASMA HOLDINGS, CURACAO, NETHERLANDS
 0380 157 Method and apparatus for the treatment of matter with low temperature plasma and product obtained by this method
- PLATEAU MINING COMPANY, PRICE, UTAH
 0480 112 Mine plan optimization through the use of geologic and fuel quality control programs
- POLISH ACADEMY OF SCIENCES, GDANSK, POLAND
 0580 24 Application of water extract of brown-coal fly-ash to phosphate precipitation from polluted waters

- POLISH ACADEMY OF SCIENCES, GLIWICE, POLAND
 1079 139 Bituminous coal extraction in terms of electron-donor and acceptor interactions in the solvent/coal system
 1081 32 Molecular components of coal and coal structure
 1082 58 Molecular structure of bituminous coal studied with pulse nuclear magnetic resonance
- POLISH ACADEMY OF SCIENCES, MAJSA, POLAND
 1081 16 Chemical structure of coal and mechanism of its extraction
- POLISH ACADEMY OF SCIENCES, WARSAW, POLAND
 0279 75 Heterocompounds present in asphaltenes from various products of coal hydrogenation
 1077 38 Asphaltenes and preasphaltenes - components of an original hvb bituminous coal
 1077 39 Phenols as chemical fossils in coals
- POLISH INSTITUTE OF CHEMICAL PROCESSING OF COAL, POLAND
 0178 357 Problems in improving coal utilization efficiency
- POLITECHNIKI WROCLAWSKIEJ, WROCLAW, POLAND
 0580 83 Radiation dose due to atmospheric releases from coal/fired power stations
 1081 68 Possibility of characterization of coal and charge mixture through separation of phases in a heated centrifuge
- POLITECNICO DI TORINO, TORINO, ITALY
 0282 123 Effect of liquid wetting on catalyst effectiveness in trickle-bed reactors
- POLYTECHNIC INSTITUTE OF NEW YORK, BROOKLYN, NEW YORK
 0281 56 Methanol - the versatile modern fuel
 0281 131 Kinetics of coal devolatilization and hydrolysis
 0281 132 Kinetics of coal hydrogenation
 0282 133 Producing methanol for fuels
 0580 147 Earth plus water plus air equals fire - wet air oxidation (WAO) of wastes
- POLYTECHNIC OF WALES, PONTYPRIDD, UNITED KINGDOM
 0479 168 Rock mechanics / geotechnical investigations
 0480 167 Common modes of failure with submersible pumpsets
- POPE, EVANS AND ROBBINS, INC., ALEXANDRIA, VIRGINIA
 0670 0 Development of coal-fired fluidized-bed boilers
 0674 8 Development of coal-fired fluidized-bed boilers
 0677 40 Development of the fluidized-bed carbon-burnup-cell
 0677 159 Multiple feed point CBC test program
 0677 189 Conceptual design of an atmospheric fluidized-bed direct-combustion power generating plant
 0677 191 Light-off and initial operation of the 30 MWe Rivesville Multicell fluidized-bed boiler
 0678 32 Eductor performance in the coal-feed system of a fluidized-bed combustor
 0678 135 Fly-ash combustion in a fluidized-bed boiler
 0680 151 Fly ash reinjection test program - Final report
- POPE, EVANS AND ROBBINS, INC., FAIRMONT, WEST VIRGINIA
 0680 72 COM and fluidized bed boiler commercialization accelerated by their marriage
- POPE, EVANS AND ROBBINS, INC., NEW YORK, NEW YORK
 0181 190 An analysis of coal gasification/combined cycle cogeneration power plants
 0279 224 Combined gas-steam turbine cycle using coal derived liquid fuel - a viable alternative to direct combustion of coal?
- 0577 66 Fluidized combustion - pollution free burning of high-sulfur low grade fuels
 0675 15 Multicell fluidized-bed boiler design, construction and test program. Fluidized-bed boiler cold modeling. Final report.
 0677 48 High efficiency energy conversion cycles utilizing fluidized-bed combustion technology
 0679 166 Multicell fluidized bed boiler design construction and test program, quarterly progress status report for

period January - March 1979

0680 69 Combustion of low quality coals in fluidized bed steam generators
 0680 188 Outlining application of coal/oil mixtures
 0680 190 Economic analysis of coal burning fluidized bed steam and by-product power generation systems for industrial facilities
 0680 196 Performance and projections of the electrostatic precipitator in a fluid bed environment
 0681 183 Rivesville multicell fluidized-bed boiler - Topical Report: Fuller Feed System test program
 0681 208 Controlling emissions with fluidized-bed combustion

PORTLAND CEMENT ASSOCIATION, SKOKIE, ILLINOIS

0882 21 Lining coal slurry pipeline ponds with soil-cement

PORTLAND STATE UNIVERSITY, PORTLAND, OREGON

0381 41 Enlargement of the micropores of a caking bituminous coal by controlled oxidation

PORTSMOUTH POLYTECHNIC, HAMPSHIRE, UNITED KINGDOM

1079 136 Studies of spontaneous combustion in beds of activated carbon

POTCHEFSTROOM UNIVERSITY FOR CHE, POTCHEFSTROOM, SOUTH AFRICA

0281 308 Liquid fuels from coal: Developments in the use of ruthenium catalysts for the Fischer-Tropsch reaction

POWDER RIVER PIPELINE INCORPORATED, JACKSON, MISSOURI

0882 33 Powder River pipeline project

POWELL CONSTRUCTION COMPANY, JOHNSON CITY, TENNESSEE

0379 107 High gradient magnetic separation and its application in the coal industry

POWER AUTHORITY OF THE STATE OF NEW YORK, NEW YORK, NEW YORK

0580 177 Atmospheric impacts of natural-draft cooling tower emissions: a case history

POWER GENERATION GROUP, NORTH CANTON, OHIO

0678 257 Fuel and ash characterization and its effect on the design of industrial boilers

POWER SYSTEMS ENGINEERING INCORPORATED, HOUSTON, TEXAS

0680 92 Combined cycles: To-day and to-morrow

POWER SYSTEMS GROUP, WINDSOR, CONNECTICUT

0181 179 Industrial application of C-E's coal gasification process - Final Report R&D Task 15 (Phase I) - Period January 1979-August 1980

0678 .248 Study of electric plant applications for low-Btu gasification of coal for electric power generation. Final report, R and D, Task 11 (phase I), July 1974 - August 1978

PREECE, CARDEW AND RIDER, BRIGHTON, UNITED KINGDOM

0678 19 A review of the PFBC Combined-cycle and its influence of gas-turbine design parameters

PRINCETON UNIVERSITY, PRINCETON, NEW JERSEY

0179 73 A review of ammonia and hydrogen-cyanide concentrations in low and medium-Btu coal gases

0179 215 Model for short residence time hydropyrolysis of single coal particles

0181 220 Short-residence-time hydropyrolysis of coal - Technical Progress Report for the periods, 1 October - 31 December, 1980, 1 January - 31 March, 1981

0281 77 On the short-residence time hydropyrolysis of single coal particles: the effect of unequal diffusivities

0581 39 Biogeochemistry of acid mine drainage and a method to control acid formation

PRITCHARD CORPORATION, KANSAS CITY, MISSOURI

0182 63 Cleanup of UCG product gas

0182 64 Underground coal gasification (UCG) - gas to methanol and MTG gasoline an economic and sensitivity study

PROCESS EVALUATION OFFICE, MORGANTOWN, WEST VIRGINIA

- 0172 2 An economic evaluation of Synthane gasification of Illinois No. 6 coal at 1,000 PSIA followed by shift conversion, purification, and single-stage tube wall methanation
 preliminary economic analysis of IGT Hygas plant producing 250-million-SCFD-high-Btu-gas from two coal-seams: Montana and Pittsburgh
- 0176 23
- 0379 79 An economic evaluation of the coal oxydesulfurization process - one unit train per day of coal
 0379 80 An economic evaluation of the modified coal oxydesulfurization process - one unit train per day of coal
 0474 2 Basic estimated capital investment and operating costs for underground bituminous coal mines - Mines with annual production of 1.03 to 3.09-million-tons from a 48-inch coal-bed
 0476 3 Basic estimated capital investment and operating costs for underground bituminous coal mines - Mines with annual production of 1.06 to 4.99-million-tons from a 72-inch coal-bed
 0476 4 Basic estimated capital investment and operating costs for coal strip-mines
 0476 5 Basic estimated capital investment and operating costs for underground bituminous coal mines developed for longwall mining
- 0477 186 Basic estimated capital investment and operating costs for three coal mines
 0478 198 Basic estimated capital investment and operating costs for underground bituminous coal mines utilizing a continuous mining system, Mines with annual production of 1.188 and 2.376 MMtpy ROM from a 72-inch coalbed
- 0679 16 Economics of retrofitting industrial boilers from oil to coal-oil mixture firing
 0878 39 Coal slurry pipelines: Water laws, customs, and availability
 0879 2 Transportation of a premium coal fines product

PROFESSIONAL LOSS CONTROL INCORPORATED, OAK RIDGE, TENNESSEE

- 0482 72 Fire protection for coal-handling facilities

PROJEKTEIRUNG CHEMISCHE, VERFAHRENSTECHNIK, RATINGEN, GERMANY

- 1079 253 Process and equipment to produce coke

PUBLIC SERVICE ELECTRIC AND GAS COMPANY, NEWARK, NEW JERSEY

- 0677 101 Water/oil emulsion combustion in boilers and gas-turbines
 1177 15 Evaluation of offshore site for wind energy generation
 1177 21 The potential for application of energy storage capacity on electric utility systems in the United-States - part II

PUBLIC SERVICE OF INDIANA, PLAINSFIELD, INDIANA

- 0678 219 Development and operating experience with inerting systems on coal pulverizers and bunkers

PUBLIC SERVICE OF NEW MEXICO, ALBUQUERQUE, NEW MEXICO

- 0779 23 Estimating strength of sandstone using petrographic thin-section data

PULLMAN KELLOGG COMPANY, HOUSTON, TEXAS

- 0579 86 Coal conversion control technology, Volume 1: Environmental regulations liquid effluents
 0581 19 Putting a data logging system to work
 0680 71 Circulating fluidized bed boiler
 0680 191 Circulating fluidized bed boiler

PUMPS AND PIPELINES GROUP, MIDDLESEX, UNITED KINGDOM

- 0878 19 Progress report on the hydraulic transport investigations being carried out by BHRA

PUNJAB UNIVERSITY, LAHORE, PAKISTAN

- 0179 220 Gasification of coal

PURDUE UNIVERSITY, WEST LAFAYETTE, INDIANA

- 0176 93 Gasification in pulverized coal flames. First Annual progress report, July 1975 - June 1976
 0177 180 Gasification in pulverized coal flames. Second annual progress report, July 1976 - August 1977
 0177 222 Gasification in pulverized coal flames. Semi-annual progress report, July - December 1976
 0178 343 Heterogeneous kinetics of coal-char gasification and combustion
 0178 385 Sulfur fixation during coal gasification

0179	276	Gasification in pulverized coal flames - final report (part 1). Pulverized coal combustion and gasification in a cyclone reactor: experiment and model
0180	1	Modeling of staged fluidized-bed coal pyrolysis reactors
0181	158	Vapor-liquid equilibrium in ternary mixtures of hydrogen + carbon dioxide + tetralin
0181	159	Vapor-liquid equilibrium of the hydrogen + carbon dioxide + quinoline system at elevated temperatures and pressures
0276	24	Phase equilibrium in coal liquefaction processes
0280	331	Reactions of three double ring heteroaromatic model coal compounds in excess tetralin
0280	353	Phase equilibrium in coal liquefaction processes
0281	12	Solubilities of hydrogen and methane in coal liquids
0281	37	Correlation of solubility of hydrogen in hydrocarbon solvents
0281	274	Analysis of synfuels by MS/MS
0381	8	Determination of polycyclic aromatic hydrocarbons in solvent-refined coal by negative chemical ionization-charge inversion mass spectrometry/mass spectrometry
0480	181	Properties and plant growth potential of mine-land overburden
0881	16	A regional railroad network optimization model for coal transportation
1079	43	Analysis of coal liquids by mass-analyzed ion kinetic energy spectrometry
1079	176	Evaluation of the use of indirect tensile test results for characterization of asphalt-emulsion-treated bases
1081	181	Cross-linked structures in coals: models and preliminary experimental data
1082	43	Moving feed point gel permeation chromatography. An improved preparative technique
PURVIN AND GERTZ, INC., DALLAS, TEXAS		
0177	230	Evaluation of a high-pressure Saarberg/Otto gasifier
PYROPOWER CORPORATION, SAN DIEGO, CALIFORNIA		
0680	70	High-sulfur fuel combustion in a circulating bed
QUEEN'S UNIVERSITY, KINGSTON, ONTARIO		
0179	175	Economics of carbon processing
0180	142	Pick a process by design
0280	180	Possibilities for coal liquefaction
0280	181	Process coal using nuclear energy
0478	137	Trends in drilling and blasting
0880	21	New techniques for the scale-up of pilot-plant results to coal slurry pipelines
R.D. THOMAS & CO., INC., NARBERTH, PENNSYLVANIA		
0282	44	Assessing welding technology for coal conversion equipment
R.J. BOWEN MINING ENGINEERING CONSULTANT, SALT LAKE CITY, UTAH		
0477	164	Sublevel caving by pillar extraction. Final report
RADIAN CORPORATION, AUSTIN, TEXAS		
0177	74	Environmental assessment of low/medium-BTU gasification
0177	80	An investigation of the potential for utilization of saline groundwater in energy-related processes
0177	294	In-situ coal gasification: Status of technology and environmental impact
0178	69	Low and Medium-Btu gasification systems technology overview
0178	331	CO//2 acceptor process gasification pilot-plant, environmental characterization, Final report, July 1976 - March 1978, Volume II
0178	352	Treatment of coal gasification plant wastewater
0181	94	Application of Kosovo (Lurgi) gasification plant test results to pollution control process design
0577	17	Treatment of Waste-water from coal gasification plants
0577	23	Assessment, Selection and Development of procedures for determining the environmental acceptability of Synthetic fuel plants based on coal, Basic report and appendix 1
0577	57	Assessment, selection, and development of procedures for determining the environmental acceptability of synthetic fuel plants based on coal, Appendix 3
0577	78	Assessment, selection, and development of procedures for determining the environmental acceptability of synthetic fuel plants based on coal, Appendix 2

CORPORATE AUTHOR INDEX

0578 65	Environmental characterization: Carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume II, July 1976 - March 1978, Book 2 of 3, Appendices A and B
0578 66	Environmental characterization: Carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume II, Book 3 of 3, Appendices C - G, July 1976 - March 1978
0578 92	Water recycle/reuse alternatives in coal-fired steam-electric power-plants: Volume I. Plant studies and general implementation plans
0579 41	Environmental impact of synthetic-fuels development
0579 87	An integrated assessment of Texas lignite development, Volume I. Technical analyses
0579 122	Environmental assessment: Source test and evaluation report - Wellman-Galusha (Glen Gery) low-Btu gasification
0580 10	Environmental assessment and control technology for low Btu gasification works
0582 5	Cost for control of SO ₂ /2 emissions
0679 110	Trace-element emissions from coal-fired power-plants
0680 149	Technical and economic assessment of NO _x flue gas treatment technology
RADIANT CORPORATION, MCLEAN, VIRGINIA	
0179 214	Sampling and analysis of synthetic-fuel processes
0580 165	Environmental aspects of utility AFBC designs
0679 45	A comparison of atmospheric fluidized-bed combustion conceptual designs for utility steam generation: Interim Report
RALPH M. PARSONS COMPANY, LOS ANGELES, CALIFORNIA	
0270 3	1970 Final Report Consol Synthetic Fuel Process
0273 0	Demonstration plant - Clean-boiler-fuels from coal - Preliminary design / capital-costs estimate, Volume II.
RALPH M. PARSONS COMPANY, PASADENA, CALIFORNIA	
0178 347	Preliminary design study for an integrated coal gasification combined-cycle power-plant
0274 9	Demonstration plant, Clean-boiler-fuels from coal: Volume III. Preliminary design/economic analysis
0275 12	Commercial complex conceptual design/economic analysis, oil and power by COED based coal conversion
0276 15	Coal liquefaction
0276 72	Coal conversion and utilization - liquefaction: Solvent-refined-coal. Technical evaluation services research and development No. 82, Interim report No. 6
0276 73	Coal conversion and utilization - liquefaction: Clean coke process (PDU stage). Technical evaluation services research and development report No. 82, Interim report No. 7
0277 93	Coal liquefaction process research survey, Research and Development Interim Report No. 2, data source book
0278 101	Feedstocks from coal: How? When?
0278 146	Preliminary design services. Research and development report No. 114, Final report
0279 148	Liquefaction technology assessment - final report
0280 212	Coal liquefaction: The impact of product composition on relative economics
0280 333	Indirect liquefaction via the Avco coal gasification system
0379 39	Coal beneficiation and conversion developments
0577 13	Environmental factors for Fischer-Tropsch coal conversion technology
0578 50	A clean coal conversion technology
0580 196	Removal of the oxides of sulfur and/or nitrogen from the flue gases of power generation apparatus
RALPH STONE AND COMPANY, INC., LOS ANGELES, CALIFORNIA	
0577 21	Environmental assessment of solid residues from fluidized-bed fuel processing
0677 169	Environmental assessment of residues from the fluidized-bed combustion of coal and the gasification of high-sulfur fuel oils
RAMCOR INC., VIENNA, VIRGINIA	
0180 121	Process for in situ coal gasification
RAPIDEX, INC., BURLINGTON, MASSACHUSETTS	
0478 197	A continuous slipformed - concrete lining system compatible with the Blind Shaft Boring Machine. Final Technical Report

- RASOR ASSOCIATES INC., SUNNYVALE, CALIFORNIA
0680 206 Design study of a coal-fired thermionic (THX) - topped power plant
- RAYLO CHEMICALS LIMITED, EDMONTON, ALBERTA
0279 229 Supercritical gas extraction of Canadian coals - Summary Report
0281 315 Optimization, chemistry and product analysis of supercritical gas extraction techniques for the liquefaction of Canadian coals - Final Report
- RAYMOND INTERNATIONAL INC., OAKLAND, CALIFORNIA
0179 265 The hybrid cycle - a unique method for production of clean fuels and power generation in a coal-based energy centre
- RECON SYSTEMS, INCORPORATED, PRINCETON, NEW JERSEY
0177 305 Fundamental data needs for coal conversion technology, appendices
- REGIONAL RESEARCH LABORATORY, HYDERABAD, INDIA
0282 162 Cracking and hydrogenation of low-temperature coal tars and alkyl phenols
- REGIONAL RESEARCH LABORATORY, JORHAT, ASSAM, INDIA
0179 232 Devolatilization of coal in a continuous fluidized bed
0679 114 Fluidized-bed combustion of high sulfur coals
1080 58 Petroporphyrins in Indian crude oils
1081 43 Interaction of iron with humic acid extracted from lignite
- REGISTERED PROFESSIONAL ENGINEER, KIRKWOOD, MISSOURI
1176 2 Coal-oil slurries as a device to conserve fuel oil in existing industrial furnaces
- REINFORCED EARTH COMPANY LTD., VANCOUVER, BRITISH COLUMBIA
0482 79 Reinforced earth construction for coal storage
- RENSELAER POLYTECHNIC INSTITUTE, TROY, NEW YORK
0282 148 Reactions and residence time distributions in motionless mixers
0577 63 Characterization of differences between oil-fired and coal-fired power-plant emissions
1177 9 Electric energy alternatives appraisal for New-York State
- REOTEC INCORPORATED, BETHESDA, MARYLAND
0182 46 Safety considerations for synfuels plants
- REPUBLIC STEEL CORPORATION, MEADOW LANDS, PENNSYLVANIA
0379 106 The steel industry view of the need and degree of coal preparation
- RESEARCH AND PRODUCTIVITY COUNCIL, FREDERICTON, NEW BRUNSWICK
0281 346 Development of an integrated research and development program on eastern Canadian coals
0381 14 Limits of upgrading Eastern Canadian coals high in sulphur by washing
- RESEARCH COTTRELL, INC., SOMERVILLE, NEW JERSEY
0579 38 Sizing hot precipitators
0579 43 High-temperature, high-pressure electrostatic precipitation
0581 35 Process for desulfurization of coal
0682 52 Gypsum production from flue gas desulfurization systems using limestone reagent-experience from two operating plants
- RESEARCH INSTITUTE OF STEINKOHLENBERGBAUEREIN, ESSEN KRAY, GERMANY
0167 4 Gas release from coal as a function of the rate of heating

0479 130 Elastoplastic analysis of stresses in coal pillars by finite element method

RESEARCH TRIANGLE INSTITUTE, RESEARCH TRIANGLE PARK, NORTH CAROLINA

0178 147 Analysis of a semi-batch coal gasifier product-gas using an automated gas-chromatograph
 0179 266 Gas chromatography/fourier transform infrared spectrometry analysis of semivolatle coal gasification pollutants

0179 323 pollutants from synthetic fuels production: Sampling and analysis methods for coal gasification
 0180 37 Determination of phenolics in coal gasifier condensate by high performance liquid chromatography with low-wavelength ultraviolet detection

0180 86 Fundamental aspects of catalysed coal char gasification

0180 278 Hydrogenolysis of benzene and alkylated benzenes over coal chars

0181 15 Application of a search system and vapor-phase library to spectral identification problems

0181 33 High-resolution FTIR analysis of coal gas

0181 170 Rapid boiling point assay of tar from coal gasification by gas chromatography

0574 0 Symposium Proceedings: Environmental aspects of fuel conversion technology

0574 1 Environmental Quality and Standards for Air

0574 2 Environmental Quality and Standards for Water

0574 3 Coal conversion technology and solid waste disposal: Time to take stock

0574 4 Environmental impact statement requirements as related to fuel conversion technologies

0574 5 Problems in the chemistry and structure of coals as related to pollutants from conversion processes

0574 6 Trace-elements and potential pollutant effects in fossil-fuels

0574 7 Distribution of trace-elements in coal

0574 8 Preliminary chemical analysis of aqueous wastes from coal conversion plants (a recommended approach)

0574 9 Some implications of environmental regulatory activities on coal conversion processes

0574 10 Environmental aspects of El Paso's Burnham 1 coal gasification complex

0574 11 Environmental aspects of the WESCO coal gasification plant

0574 12 Analyses of tars, chars, gases, and water found in effluents from the Synthane process

0574 13 Clean environment with Koppers-Totzek process

0574 14 Environmental aspects of the BI-Gas process

0574 15 Sulfur emission control with limestone/dolomite in advanced fossil-fuel processing systems

0574 16 Clean Fuels from coal by the COE process

0574 17 Environmental aspects of the SRC process

0574 18 Environmental aspects of solvent-refining

0574 19 Environmental factors in coal liquefaction plant design

0574 20 Colony soil shale development, Parachute-Creek, Colorado

0574 21 Overall environmental considerations of conversion technology

0574 22 Weighing environmental costs and benefits

0574 23 The environmental impact of coal-based advance power generating systems

0574 24 Environmental consideration in the use of alternate clean-fuels in stationary combustion processes.

0574 25 Status of flue-gas desulfurization technology

0574 26 Technology needs for pollution abatement in fossil-fuel conversion processes

0574 27 Low Btu-gasification of coal: Who needs it and how can it be improved?

0574 28 Environmental aspects of coal liquefaction

0574 29 Potential byproducts formed from minor and trace components in coal liquefaction processes

0574 30 Oil-shale and its potential utilization

0574 31 Oil-shale development - some environmental considerations

0574 32 Overview of R & D needs on environmental aspects of coal conversion processes

0579 41 Environmental impact of synthetic-fuels development

0579 113 Pollutants from synthetic fuels production: Coal gasification screening test results

0580 140 Compilation of environmental assessment data, February 1978 - March 1979, Volume 1, Studies 1-7

0580 201 Analysis and assessment of PAH from coal combustion and gasification

0581 28 Gas chromatographic investigation of raw wastewater from coal gasification

1079 83 Response correlation of low molecular weight sulfur compounds using a novel flame photometric detector

1081 239 Desulfurization of iron disulfide: evaluation of alternative mechanisms

RESOURCES FOR THE FUTURE, INC., WASHINGTON, DISTRICT OF COLUMBIA

0171 4 Energy Research Needs

REYNOLDS METALS COMPANY, SHEFFIELD, ALABAMA

0679 169 Gaseous electrode development - final report

RHEINISCH WESTFÄLISCHE TECHNISCHE, AACHEN, GERMANY

0179 297 Overview of the laboratory work in Aachen in the field of underground coal gasification
 1081 199 Spectral fluorometric analysis of extracts. A new method for the determination of the degree of maturity of organic matter in sedimentary rocks

RHEINISCH WESTFÄLISCHE, ELECTRIZITÄTSWERK, ESSEN, WEST GERMANY

0677 123 Research into the combustion and fouling behaviour of brown-coals

RHEINISCHE BRAUNKOHLENWERKE AG, KÖLN, GERMANY

0178 351 Gasification of coal - A status report
 0179 107 Hydrogasification of Bituminous Coal
 0179 260 Coal conversion via the Rheinbraun HTW process
 0180 22 Generation of synthesis gas and reduction gas by gasifying brown-coal using the high temperature Winkler process
 0180 311 The Rheinbraun high-temperature Winkler and hydrogasification processes
 0181 120 Lignite processes planned in Germany
 0480 33 Modern opencast mine surveying by use of photogrammetry
 0881 5 Coal gasification and liquefaction solutions for energy transport

RICE UNIVERSITY, HOUSTON, TEXAS

0177 231 Heat-transfer in a fluidized countercurrent bed. Annual report, May 1976 - April 1977
 0277 117 Phase equilibria in coal hydrogenation systems. Annual report, April 1976 - March 1977
 0281 110 Bounds on the variation of K-value with various true boiling point fractions resulting from the pseudo-component approximation: Application to a H/2-coal liquid system
 0281 235 Solubility of Hydrogen in 9-methylanthracene, dibenzofuran, and 2-ethylanthraquinone at high temperatures and pressures
 0282 164 Investigation of vapor pressures and heats of vaporization of condensed aromatic compounds at elevated temperatures

RICHARD B. RUSSELL AGRICULTURAL RESEARCH CENTER, ATHENS, GEORGIA

0381 93 Selective magnetic enhancement of pyrite in coal by dielectric heating at 27 and 2450 MHz

RICHARDS BAY COAL TERMINAL, NATAL, SOUTH AFRICA

0880 1 Richards Bay Coal Terminal

RILEY STOKER CORP., WORCESTER, MASSACHUSETTS

0181 235 Low-Btu gasification of Northern Plains lignite in a commercial-sized unit
 0181 250 Practical operating experience of a Riley gasifier

ROBERT BROWN ASSOCIATION, CARSON, CALIFORNIA

0179 181 Picking coal deposits for in-situ gasification

ROBERTS & SCHAEFER COMPANY, CHICAGO, ILLINOIS

0380 33 Beneficiation: an alternative to 100-percent flue gas scrubbing

ROBINS AND ASSOCIATES, CHARLESTON, WEST VIRGINIA

0579 97 Head of hollow fills - special problems of steep slope terrain

ROCHESTER & PITTSBURGH COAL COMPANY, INDIANA, PENNSYLVANIA

- 0478 86 Tunnel boring a mine slope
0480 52 Supporting high roof fall areas along haulage roads

ROCKWELL INTERNATIONAL, CANOGA PARK, CALIFORNIA

- 0177 177 Theory of pulverized coal conversion in entrained-flows, Part 1: Hydrogasification
0178 79 Coal conversion by flash hydrolysis and hydrogasification
0178 91 Hydrogasifier development for the Hydrane process, Annual Report, March 1977 - Feb. 1978
0179 255 Flash hydrolysis for high-value products
0179 291 Development of a single-stage, entrained-flow short-residence-time hydrogasifier - final report
0180 50 Modeling pulverized coal conversion in entrained flows
0180 224 Molten salt coal gasification process development unit, phase 1, final report, volume 1, PDU operations
0180 225 Molten salt coal gasification process development unit, phase 1, volume 2, commercial plant study
0180 255 The CS/R advanced SNG hydrogasification process
0180 276 The gasification of various coals in molten salts
0181 202 Predicting lignite devolatilization with the multiple parallel and two-competing reaction models
0277 7 Partial liquefaction of coal by direct hydrogenation, Annual Report, Aug. 1976 - July 1977
0277 101 Partial liquefaction of coal by direct hydrogenation, Annual report, August 1975 - July 1976
0278 90 Deuterium tracer method for investigating the chemistry of coal liquefaction
0278 147 Deuterium-tracer-method for investigating the chemistry of coal liquefaction. Annual technical progress report, July 1976 - June 1977
0278 170 Coal slurry feed pump for coal liquefaction. Final report
0279 6 Partial liquefaction of coal by direct hydrogenation. Annual technical progress report for the period of August 1977 - July 1978
0279 55 Development of a high-pressure, centrifugal slurry pump
0279 176 The chemistry of acid-catalyzed coal depolymerization
0280 270 Molten alkali metal hydroxide catalyzed coal liquefaction - Final Report
0281 71 Petrochemical feedstocks production by CS/R hydrolysis of Alberta Forestburg subbituminous coal
0676 18 MHD combustor design study. Final report
0679 46 Advanced coal-fueled combustor/heat-exchanger technology study. Final report for March 1977 - June 1978.
0679 53 Advanced coal-fueled combustor/heat-exchanger technology study. Final report for March 1977 - June 1978
0679 57 Advanced coal-fueled combustor/heat-exchanger technology study final report for March 1977 - June 1978
1080 194 Model structure for a bituminous coal
Executive summary

ROCKWELL INTERNATIONAL, EL SEGUNDO, CALIFORNIA

- 0280 141 Hydrogenation of carbonaceous materials

ROCKWELL INTERNATIONAL, LOS ANGELES, CALIFORNIA

- 0177 178 Metallographic analysis of a steel plate which failed in service in a coal gasifier

ROCKWELL INTERNATIONAL, NEW YORK, NEW YORK

- 0280 47 Coal liquefaction by flash hydrolysis

ROCKWELL INTERNATIONAL, THOUSAND OAKS, CALIFORNIA

- 0278 90 Deuterium tracer method for investigating the chemistry of coal liquefaction
0280 11 Study of the products of coal hydrogenation and deuteration by electron-paramagnetic-resonance
0281 270 Interaction of naphthalene with bituminous coal: an EPR and NMR study
1082 63 Dielectric constants of coal-water slurries at 750-MHz

ROCKY MOUNTAIN ENERGY COMPANY, DENVER, COLORADO

- 0381 120 Removal of organic sulfur from coal
0480 113 The effects of a rider coal and splay deposits on roof conditions in the Stansbury Mine
0780 17 Wave-dominated deltas: an important economic depositional model for upper cretaceous of southwestern Wyoming
0780 23 Stratigraphy and coal resources of Dakota sandstone in Sage Plain, Southwest Colorado and Southeast Utah

- ROLFITE COMPANY, STAMFORD, CONNECTICUT
0677 105 Reduction of coal-ash deposits with magnesia treatment
- ROSTOV STATE UNIVERSITY, ROSTOV ON DON, USSR
0679 121 The structural and chemical transformations of brown coal in three-stage rapid heating
1079 127 The change in the heat capacity and hardness of hard-coal cokes on calcination
- ROYAL INSTITUTE OF TECHNOLOGY, STOCKHOLM, SWEDEN
0281 65 Liquefaction of Swedish peats
- ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY, MELBOURNE, AUSTRALIA
0680 233 Rheology of ageing of coal-oil suspension
- ROYAL NAVAL ENGINEERING COLLEGE, PLYMOUTH
0678 24 Aspects of pulsating combustion
- ROYAL SCHOOL OF MINES, LONDON, UNITED KINGDOM
0478 190 Strip mining for coal
- RUHRCHEMIE AG, OBERHAUSEN HOLTEN, GERMANY
0182 14 Autothermal coal gasification
- RUHRKOHLE AG, BERGBAU AG WESTFALEN, GERMANY
0881 35 Technical and economic aspects of hydraulic coarse solids transportation at the Hansa hydraulic mine
- RUHRKOHLE AG, ESSEN, GERMANY
0179 259 Coal conversion projects in Western Germany
0180 45 Ruhrchemie-Ruhrkohle technical version of the Texaco coal gasification operating at Oberhausen-Holtens
0280 252 The development of catalytic coal hydrogenation by Ruhrkohle ag and veba oel ag
0281 353 Coal conversion R & D in Western Germany
0380 7 Impact of changing raw coal properties and market trends on coal preparation
1079 134 Correlation between the content of volatile matter and mineral matter in hard coals
1179 35 The mining of bituminous coal in Germany - an industry of the future
1180 4 Gasification and hydrogenation of coal - status and prospects
- RUHRKOHLE OIL AND GAS GMBH, BOTTRUP, GERMANY
0181 130 German hard coal conversion projects
- RUST ENGINEERING COMPANY, BIRMINGHAM, ALABAMA
0680 86 Power-plant cycle selection: A case study
- RUTGERSWERKE AG, CASTROP RAUXEL, WEST GERMANY
0381 52 The manufacture of high-value carbon from coal-tar pitch
1079 86 Recent advances in the analysis of coal-derived products
- SAARBERG FERNWARME GMBH, SAARBRUCKEN, GERMANY
0580 3 Present status and development of district heating in the Federal Republic of Germany with particular emphasis on the use of pit coal
- SAARBERG INTERPLAN GESELLSCHAFT FUR ROHSTOFF, ENGERG UND INGENIEURTECH, SAARBRUCKEN, WEST GERMANY
0479 154 Planning and development of mines -- illustrated with examples from coal mines to the Saabergwerke AG
- SAARBERGWERKE AG, SAARBRUCKEN, GERMANY
0279 112 The Saarberg coal liquefaction process. A further development of proven I. G. Farben technology

- SAFETY ENGINEERING LABORATORY, SHEFFIELD, UNITED KINGDOM
0480 45 Systematic safety assessment in the mining industry
- SAFETY IN MINES RESEARCH ESTABLISHMENT, HARPUR HILL, BUXTON, UNITED KINGDOM
0679 103 Experiments on prevention and suppression of coal-dust explosions by bromochlorodifluoromethane and on prevention by carbon tetrachloride
- SALA MAGNETICS, INC., CAMBRIDGE, MASSACHUSETTS
0380 121 Coal preparation using magnetic separation, Volume III
- SALEM CORPORATION, PITTSBURGH, PENNSYLVANIA
1081 93 Evaluation and selection of coals for metallurgical coke
- SAN MARCO PIPELINE COMPANY, HOUSTON, TEXAS
0882 37 San Marco pipeline
- SANDIA LABORATORIES, ALBUQUERQUE, NEW MEXICO
0176 4 Underground Coal Gasification Technology in the USSR
0176 66 Descriptions of reverse combustion linkage and forward gasification during underground coal gasification
0177 163 Instrumentation for in-situ coal gasification: An assessment of techniques evaluated on the Hanna II experiment
- 0178 80 Instrumentation development for in-situ coal gasification
0178 116 Estimating the extent of an in-situ coal gasification process using a passive seismic technique
0178 146 Instrumentation for in-situ coal gasification. II. Thermal and gas sampling diagnostic techniques
0179 86 LLL 1979 field program
0179 87 Site selection and characterization for an underground coal gasification process
0179 98 Instrumentation and analysis techniques for future UCG applications
0179 206 Instrumentation for in-situ coal gasification - 4. Seismic and acoustic techniques for remote monitoring
0180 58 Borehole resistivity curves near spheroidal masses
0180 265 Characterization of a potential underground coal gasification site in the State of Washington
0181 20 The effect of thermal and mechanical underground properties on initial cavity growth
0181 242 Applications of reservoir simulation to in situ coal gasification
0182 68 The drying of coal in underground gasification
0182 74 Thermomechanical cavity growth modeling
0182 96 Potential use of the CSAMT geophysical technique to map UCG processes
0182 81 Effects of mineral matter on the hydroliquefaction of coal
0278 91 Sandia fossil-fuel analytical laboratory: Procedures used in coal liquefaction analyses
0278 95 Hydrogen consumption in non-catalyzed coal liquefaction
0279 94 Engineering kinetics of short residence time coal liquefaction processes
0279 107 Mineral matter effects in coal-liquefaction
0280 9 Engineering kinetics of short-residence-time coal liquefaction processes
0280 183 Reduction of viscosity of coal-derived-products using CO//2
0280 243 Method for the determination of catalyst selectivity in coal liquefaction
0280 269 The tagging of an H-coal PDU run
0280 328 Kinetics and mechanisms of the hydroliquefaction of coal: Illinois-No-6, Burning Star coal in SCR-II heavy distillate
- 0281 73 Studies on an aged H-coal catalyst
0281 76 Preliminary characterization of catalysts tested in the H-coal bench unit
0281 142 The application of radiation techniques to coal liquefaction
0281 200 The reversibility of coal liquefaction
0281 319 Mineral matter effects in coal conversion
0282 112 Catalyst deactivation in the H-coal coal liquefaction process. 1. Catalyst residence time distribution
0282 144 Decomposition of pyrite under coal liquefaction conditions: a kinetic study
0678 92 The rates and mechanisms of pulverized coal combustion - First annual report
0678 102 Calculation of real gas properties for MHD channel flows
0679 12 A user's manual for the magnetohydrodynamic generator channel code, MHDCHN

SANDIA LABORATORIES, LIVERMORE, CALIFORNIA

- 0180 161 Alloy selection for sulfidation-oxidation resistance in coal gasification environments
- 0181 256 Chemical characterization of complex oxide products on titanium-enriched 310SS
- 0679 186 The effect of mineral matter and flame characteristics on the size of fly-ash produced from pulverized fuel combustion
- 0681 15 Direct observations of devolatilizing pulverized coal particles in a combustion environment

SANDWELL BEAK RESEARCH GROUP, MISSISSAUGA, ONTARIO

- 0281 338 Development of a testing facility for direct hydrogenation of Canadian low rank coals

SANDWELL BEAK RESEARCH GROUP, TORONTO, ONTARIO

- 0280 130 Liquefaction of low rank coals, Phase II. Catalytic screening, Non-catalytic testing of lignites, Semi-batch testing, Overview of separation and characterization methods, Review of homogeneous catalysts, Coal liquefaction patent listing
- 0281 50 Development of a testing facility for direct hydrogenation of Canadian low rank coals

SARATOV POLYTECH INSTITUTE, USSR

- 0180 203 Production of reducing gas by gasification of anthracite fines

SASKATCHEWAN ENVIRONMENT, SASKATCHEWAN

- 0582 16 Acid gas emission in Saskatchewan

SASKATCHEWAN GEOLOGICAL SURVEY, REGINA, SASKATCHEWAN

- 0779 49 Lithofacies of the lower cretaceous Mannville group, west-central Saskatchewan

SASKATCHEWAN MINERAL RESOURCES, REGINA, SASKATCHEWAN

- 0778 39 Mineral resources of Saskatchewan

SASKATCHEWAN OIL & GAS CORPORATION, REGINA, SASKATCHEWAN

- 1181 38 Trends in coal utilization in Saskatchewan

SASKATCHEWAN POWER CORPORATION, REGINA, SASKATCHEWAN

- 0178 136 From coal to gas - Part II
- 0178 174 From coal to gas
- 0179 13 Small-scale coal-gasification plants
- 0181 114 Small industrial coal gasifiers - Part 1
- 0181 222 Long-range development for utility fuels
- 0182 108 Characterization of effluents from a fixed-bed gasifier
- 0482 7 Saskatchewan Power Corporation's Poplar River coal mine
- 0682 51 Prediction of boiler fouling by lignite ash
- 1181 24 Opportunities for lignite development in Saskatchewan

SASKATCHEWAN RESEARCH COUNCIL, SASKATOON, SASKATCHEWAN

- 0780 35 Quality and occurrence of coal in southern Saskatchewan, Canada, Volume I, Introduction to data acquisition and to associated computer processable files
- 0881 44 Pipeline flow of coarse coal slurries
- 0881 49 Flow of coarse coal in 150, 250 and 500 mm pipelines
- 0882 2 Slurry pipeline development centre at Saskatoon
- 0882 26 Prediction of size degradation of coarse coal during slurry pipeline transportation
- 0977 0 Bibliography and Index of Coal in Saskatchewan and Adjoining Provinces and States

SASOL LTD., JOHANNESBURG, SOUTH AFRICA

- 0282 107 Gasoline from coal - the pioneering South African Experience
- 0282 115 Producing automotive fuels from coal in South Africa

CORPORATE AUTHOR INDEX

- SASOL ONE (PROPRIETARY) LIMITED, SASOLBURG, SOUTH AFRICA
 0181 145 Coal gasification and liquefaction
 0276 92 Advances in Fischer-Tropsch chemistry
 0281 53 South Africa's coal energy base with particular reference to synthetics
 0281 214 Technology of the Fischer-Tropsch process
 0282 166 Sasol's Fischer-Tropsch experience
 0480 3 The use of continuous miners in South-African coal mines
 0480 54 Sasol's collieries are now moving towards greater mechanisation
 1079 108 Solving problems in a chemical-plant with infrared-spectrometry
 1079 138 Investigation of the structure of Fischer-Tropsch oxidized waxes by means of x-ray diffraction, nuclear magnetic resonance and infrared spectroscopy
- SASOL TWO LTD., SECUNDA, SOUTH AFRICA
 0281 249 Sasol upgrades synfuels with refining technology
- SAUK COUNTY DEVELOPMENT CORPORATION, WISCONSIN
 0579 74 Coal surface mining: impacts of reclamation
- SCIENCE ADVISORY COMMITTEE TO ENVIRONMENT COUNCIL OF ALBERTA, EDMONTON, ALBERTA
 0681 26 Trace elements in coal
- SCIENCE AND PUBLIC POLICY PROGRAM, NORMAN, OKLAHOMA
 1179 43 Energy from the West, impact analysis report, Vol. 1, Introduction and summary
- SCIENCE APPLICATIONS, INC., IRVINE, CALIFORNIA
 0281 256 Carbon-carbon composite matrix reactions and densification response, Final Report, Jan 1979-1980
- SCIENCE APPLICATIONS, INC., LA JOLLA, CALIFORNIA
 0178 228 Analysis and interpretation of laboratory coal gasification simulation data
 0179 108 Reverse combustion link phenomena in bituminous coal at high pressure
- SCIENCE APPLICATIONS, INC., LOS ANGELES, CALIFORNIA
 0578 42 Water-pollution control for coal slurry pipelines, Final report
- SCIENCE APPLICATIONS, INC., MCLEAN, VIRGINIA
 0580 171 Workshop on sulfur chemistry in flue gas desulfurization
 0679 168 Reliability analysis of the Georgetown University atmospheric fluidized bed combustor - final report
- SCIENCE APPLICATIONS, INC., MORGANTOWN, WEST VIRGINIA
 0181 230 Assessment of small UCG-to-methanol plants
- SCIENCE APPLICATIONS, INC., PALO ALTO, CALIFORNIA
 1077 86 Coal stream composition analysis for process control using prompt neutron activation analysis
 1080 62 Nuclear analyzer determines coal constituents fast
 1080 135 Nuclear assay of coal, Volume 7: Coal rheology and its impact on nuclear assay
 1080 153 Nuclear assay of coal - Volume 1: Coal composition by prompt neutron activation analysis - Basic Experiments
 1080 154 Nuclear assay of coal - Volume 2: Coal composition determination by prompt neutron activation analysis - Theoretical modeling
 1080 155 Nuclear assay of coal - Volume 3: Determination of total hydrogen content of coal by nuclear technique
 1080 156 Nuclear assay of coal - Volume 4: Moisture determination in coal - Survey of electromagnetic techniques
- SCIENTIFIC RESEARCH INSTRUMENTS CORPORATION, BALTIMORE, MARYLAND
 0173 20 Gasification of fossil fuels under oxidative, reductive, and pyrolytic conditions

SCOTIA COAL SYNFUELS PROJECT, TORONTO, ONTARIO

0281 221 Nova Scotia coal - a future source of transportation fuels

SEISMOGRAPH SERVICE (ENGLAND) LIMITED, LONDON, UNITED KINGDOM

0979 4 Simple approach to high resolution seismic profiling for coal

SETON HALL UNIVERSITY, SOUTH ORANGE, NEW JERSEY

1081 77 Background correction in quantitative micelle-enhanced room-temperature phosphorescence via selective bimolecular quenching

SF PRODUCTS CANADA LTD., MONTREAL, QUEBEC

0577 68 The collection of fly-ash from low-sulfur western-coal: Canadian experience

SHELL CANADA LTD., TORONTO, ONTARIO

0281 54 Coal liquefaction - impact on the Canadian refiner

SHELL DEVELOPMENT COMPANY, HOUSTON, TEXAS

0182 37 Shell coal gasification process

0279 235 The zinc chloride process for the hydrocracking of coal

SHELL INTERNATIONAL PETROLEUM, HAGUE, NETHERLANDS

0179 173 Clean Syngas from coal

0180 10 Status of the Shell-Koppers process

0279 154 Treating Fischer-Tropsch Reaction Products

0282 103 Synfuels: which route to follow?

0380 30 Naphtha wash eliminates soot problem

0479 162 Pit design optimized for dragline productivity

0880 12 Method for preparing a load of coal for transport by ship

SHELL INTERNATIONAL RESEARCH, HAGUE, NETHERLANDS

0180 207 Centrifugal pump for powder and a process and apparatus for the gasification of coal powder

0181 225 Safety device for a burner of a coal gasification plant

0181 226 Process for the partial combustion of solid fuel and burner for carrying out the process

0182 69 Process and reactor for the preparation of synthesis gas

0681 186 Process for the combustion of coal in the presence of calcium-containing material (Reducing SO₂/2 emission)

1081 84 Bituminous emulsions

SHELL OIL COMPANY, HOUSTON, TEXAS

0280 49 Gasoline from coal via molten zinc chloride hydrocracking

0280 108 Zinc chloride process for the hydrocracking of coal

0280 162 Process for the pyrolysis of coal in dilute- and dense-phase fluidized beds

0380 55 Process for the agglomeration of solids

0673 21 Power generation using the Shell gasification process

0680 36 Laboratory studies of the rapid pyrolysis and desulfurization of a Texas lignite

0880 15 Removal of sulfur compounds from coal during pipeline transport

SHELL RESEARCH LIMITED, CHESTER, UNITED KINGDOM

0380 131 Assessment of the standard method of test for the grindability of coal by the Hardgrove machine

0681 62 COLLCOIL manufacture and application

SHELL RESEARCH LIMITED, LONDON, UNITED KINGDOM

0380 162 Assessment of the standard method of test for the grindability of coal by the Hardgrove machine

0877 15 Processing a slurry of coal-particles in water

0878 50 Method for processing a slurry of coal particles in water

1079 40 Rapid measure of moisture in coal and total solids in coal slurries by low-resolution proton nuclear-magnetic-resonance

- SIEBTECHNIK, GMBH, GERMANY
0381 17 Vibratory centrifuge for the dewatering of coal sludge
- SIEMAG TRANSPAN GMBH, NETPHEN, GERMANY
0480 121 The hydraulic hoisting of coarse coal from a depth of 850 metres
0879 24 Some aspects of vertical hydraulic conveying of large coal from a depth of 850 m
- SIGNET CORPORATION, PITTSBURGH, PENNSYLVANIA
0380 100 Process and apparatus for consolidating an aqueous coal slurry and obtaining clean water. Slugs obtained by consolidating the coal slurry
0580 67 Consolidation of coal slurry
- SILESIAN POLYTECHNIC INSTITUTE, GLIWICE, POLAND
0178 358 Nonenergy coal utilization variants
0280 250 Co-pyrolysis of coal
- SILESIAN UNIVERSITY OF TECHNOLOGY, GLIWICE, POLAND
0381 58 Investigations on the design and performance of large-volume mechanical-pneumatic flotation machines of the IZ-type
- SILESIAN UNIVERSITY, KATOWICE, POLAND
0279 59 Activity of ni-moly catalysts in tetralin or decalin dehydrogenation and hydrogenation of coal-extract solution
0780 35 Quality and occurrence of coal in southern Saskatchewan, Canada, Volume I. Introduction to data acquisition and to associated computer processable files
- SILVERSPORN RESEARCH AND CONSULTING LTD., SASKATOON, SASKATCHEWAN
0780 35 Quality and occurrence of coal in southern Saskatchewan, Canada, Volume I. Introduction to data acquisition and to associated computer processable files
- SIMON FRASER UNIVERSITY, BURNABY, BRITISH COLUMBIA
0781 25 Seam and location differentiation of coal specimens using trace element concentrations
- SIMON CARVES OF CANADA LTD., WILLOWDALE, ONTARIO
0379 37 Computer predictions of coal cleaning performance
- SINCLAIR RESEARCH LABORATORIES INC., HARVEY, ILLINOIS
0255 0 Hydroforming reactions. Effect of certain catalyst properties and poisons
- SKADDEN, ARPS, SLATE, MEAGHER & FLOM, WASHINGTON, DISTRICT OF COLUMBIA
0681 145 Coal's role in meeting world energy needs
- SKELLY AND LOY, HARRISBURG, PENNSYLVANIA
0475 5 Up-dip versus down-dip mining: An evaluation
0478 315 Study of underground coal mine waste disposal requirement in the United-States
0479 13 Bucket-wheel excavator study. Final report. January 1979
0579 99 Development and evaluation of methods for reduction of highwalls to approximate original contour
0579 105 Development of methods to improve performance of surface mine sediment basins
0879 36 Low wall conveyor system speeds productivity
- SMR ENGINEERING AND ENVIRONMENTAL SERVICES, CENTRAL CITY, KENTUCKY
0579 92 Water: resource or liability in surface mining
0580 88 Reclaim your land with lakes

- SNAMPROGETTI, S.P.A., FANO, ITALY
0882 10 Coal transport chain: a cost and energy analysis of two technical systems: a slurry system vs. a conventional bulk transport system
- SNC, INC., MONTREAL, QUEBEC
0282 97 An overview of coal liquefaction processes with special reference to the pyrolysis of Eastern Canadian coals
0282 177 Effect of ultrasonic energy on coal extraction by specific solvents
0880 29 Calculate natural frequency of internal lined pipe
1082 68 Investigation to develop methods for removal of oxygen from coals
- SOCIETE BERTIN & CIE, TARNOS, FRANCE
0681 40 Upper flammability limits of coal dust-air mixtures
- SOCIETE DES ELECTRODES ET REFRACTAIRES SAVOIE/SERS, PARIS, FRANCE
0280 140 A novel high yield electric furnace for the calcination of carbonaceous materials
- SOCIETE FRANCAISE DES MINERALS PREREDITS, PARIS, FRANCE
0682 28 Technico-economic potentialities of hydrogen utilization for steel production
- SOCIETE NATIONALE ELF AQUITAINE (PRODUCTION), BOUSSENS, FRANCE
1081 240 Classification of organic matter by means of fluorescence: application to hydrocarbon source rocks
- SOCIETY OF CHEMICAL INDUSTRY, LONDON, UNITED KINGDOM
0281 224 Conference: Industrial conversion of coal and carbon to gas, liquid and high-value solid products
- SOIL CONSERVATION SERVICE, COLUMBIA, MISSOURI
0582 27 Acid Pond Drainage
- SOLAR ENERGY RESEARCH INSTITUTE, GOLDEN, COLORADO
0681 117 Pulverized coal combustion detection using crosscorrelation techniques
- SOLDIER CREEK COAL COMPANY, PRICE, UTAH
0480 64 Intensive use of diesels underground
- SOLID FUELS INC., WESTERN SPRINGS, ILLINOIS
0181 99 Performance characteristics of the solid fuels gasification type burner
- SOLIDS FLOW CONTROL CORPORATION, WEST CALDWELL, NEW JERSEY
0177 125 Feeding the feeder
- SOUTH AFRICA BUREAU OF STANDARDS, PRETORIA, REPUBLIC OF SOUTH AFRICA
0377 70 Code of practice for the sampling of coal and preparation of a sample for analysis. Part 1: The sampling of coal
- SOUTH AFRICAN COAL PROCESSING SOCIETY, JOHANNESBURG, SOUTH AFRICA
0377 71 Coal preparation course, Volume 1, Containing sections 1 - 9
0377 72 Coal preparation course, Volume 2, Containing sections 10 - 20
- SOUTH AFRICAN INSTITUTE OF CHEMICAL ENGINEERS, SOUTH AFRICA
0178 194 Coal gasification at Sasol
- SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY, SOUTH AFRICA
1179 36 Importance of coal

SOUTH DAKOTA SCHOOL

OF MINES AND TECHNOLOGY, RAPID CITY, SOUTH DAKOTA

- 0178 332 Support studies by South-Dakota school of mines and technology: CO//2 acceptor process gasification pilot-plant, Final report, Volume 9, Feb. 1971 - Jan. 1978, Book 1 of 2
- 0179 125 Support studies by South-Dakota School of Mines and Technology, Carbon-dioxide-acceptor process gasification pilot-plant, Final report, Feb. 1971 - Jan. 1978, Book 2 of 2 Appendices
- 1079 256 A characterization of the rheological properties of coal-fuel oil slurries

SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY, CALGARY, ALBERTA

- 0481 110 Early coal mining in Alberta

SOUTHERN CALIFORNIA GAS COMPANY, LOS ANGELES, CALIFORNIA

- 0177 118 Coal gasification: An essential element in energy development

SOUTHERN COMPANY SERVICES, INC., BIRMINGHAM, ALABAMA

- 0278 155 Full-scale utility boiler test with solvent-refined-coal (SRC) Interim report
- 0282 76 Performance of coal liquefaction solvents in selective recycle operation
- 0578 37 Coal-based electricity and air-pollution control - A case for solvent-refined-coal
- 0679 124 A full-scale validation of SRC-fuel
- 0679 152 Full-scale utility boiler test with solvent refined coal (src)-final report
- 1177 3 Coal-based options for generation of electricity
- 1180 18 Future of electricity based on coal

SOUTHERN ILLINOIS UNIVERSITY, CARBONDALE, ILLINOIS

- 0179 242 Moessbauer studies of iron in Lurgi gasification ashes and power plant fly and bottom ash
- 0279 47 Calibration standard for X-ray-diffraction analyses of coal liquefaction residues: Moessbauer spectra of synthetic pyrrhotite
- 0377 84 Reduction of mineral matter in coal throughout a preparation plant
- 0378 17 Leaching of boron from coal-ash
- 0380 32 Gobs of coal in recovered refuse
- 0380 173 Solar drying of coal wastes from slurry ponds
- 0381 112 Coal fines recovery and utilization
- 0479 189 Electromagnetic properties of coal mine strata
- 0480 130 Opencast mining of brown coal in eastern Europe
- 0482 69 Effect of moisture absorption on weatherability and roof bolt anchorage capacity of shales
- 0482 70 Effect of weak floor interaction on stability of mine openings
- 0581 32 Rate of reaction of hydrogen sulfide-carbonyl sulfide mixtures with fully calcined dolomite
- 0782 8 Automated petrographic characterization of coal lithotypes
- 1080 31 Moessbauer spectroscopic studies of the mineralogical changes in coal as a function of cleaning, pyrolysis, combustion and coal-conversion processes
- 1080 86 Petrology and coking potential of selected coals from the Piceance Creek Basin, Colorado
- 1080 87 Fluorescent macerals in Colorado coking coals
- 1080 133 Moessbauer studies of illites and heat-treated illite as related to coal-conversion processes
- 1081 196 Rheological and pumping characteristics of ethacoal
- 1181 12 Coal research: summary of coal research at Southern Illinois University, Carbondale, Illinois, selected projects through 1980

SOUTHERN RESEARCH INSTITUTE, BIRMINGHAM, ALABAMA

- 0592 0 Evaluation of a cyclone dust collector for high-temperature, high-pressure particulate control
- 0678 52 Evaluation of electrostatic precipitator during SRC combustion tests

SOUTHERN CALIFORNIA EDISON COMPANY, ROSEMead, CALIFORNIA

- 0180 73 Cool water coal gasification program
- 0379 17 Processing coal slurry for utility use
- 0578 95 Impact of solid-discharges from coal usage in the southwest
- 0679 56 Three clean fuels from coal. Technology and economics. Synthetic-natural-gas. Methanol. Medium Btu-gas

- SOUTHERN INDIANA GAS AND ELECTRIC COMPANY, EVANSVILLE, INDIANA
0580 178 Operating experience with a concentrated double alkali process
- SOUTHWEST RESEARCH INSTITUTE, SAN ANTONIO, TEXAS
0280 276 Stability characteristics of some shale and coal liquids, final report
0478 193 Develop a draft power sensor for improved dozer performance, Final Report, Volume 1
0478 194 Develop a Draft Power Sensor for improved dozer performance, Final Report, Volume 2
0478 275 Bulldozing improvements for mine spoil reclamation
- SPECTRA RESEARCH SYSTEMS INC., HUNTSVILLE, ALABAMA
0181 240 Technology and development requirements for advanced coal conversion systems - Final Report
- SPECTRON DEVELOPMENT LABORATORIES, INC., COSTA MESA, CALIFORNIA
0677 50 On line monitoring of particulates
0677 163 In-situ laser measurements in FCC systems
0680 209 Optical instrumentation for in-situ particle and droplet measurements
0681 148 Observation of the behavior of coal particles during thermal decomposition
- SPOKANE MINING RESEARCH CENTER, SPOKANE, WASHINGTON
0479 143 Augmentation of small-hole rock drilling with water jets
0479 237 Evaluation of escape routes
- SPRAGUE ELECTRIC COMPANY, NORTH ADAMS, MARYLAND
0281 260 Corrosion of the wash solvent column at the Fort Lewis, Washington, solvent refined coal pilot plant
- SRC INTERNATIONAL, INC., ENGLEWOOD, COLORADO
0281 21 The SRC-II demonstration project
- SRI INTERNATIONAL, ARLINGTON, VIRGINIA
0579 18 The long term impact of atmospheric carbon-dioxide on climate
- SRI INTERNATIONAL, MENLO PARK, CALIFORNIA
0178 133 Carburation studies of iron Fischer-Tropsch catalysts
0178 188 Preliminary market evaluation for gas produced by underground gasification of western coal, Final report
0178 382 Market opportunities for low-and-intermediate-Btu gas from coal in selected areas of industrial concentration, final report
0179 112 Carbon-Monoxide chemicals from UCG
0179 193 SNG plant by-products need attention
0180 305 Shift conversion and methanation in coal gasification: bench-scale evaluation of a sulfur-resistant catalyst - final report
0181 122 Electrolyte management for the coal air fuel cell
0278 92 Comparison of fractions of pyridine extract and solvent-refined-coal from Illinois No. 6 coal
0279 49 Alcohols as H-donor media in coal conversion. 1: Base-promoted H-donation to coal by isopropyl-alcohol
0279 50 Alcohols as H-donor media in coal conversion. 2: Base-promoted H-donation to coal by methyl-alcohol
0280 286 Homogeneous catalytic hydrocracking processes for conversion of coal to liquid fuels, basic and exploratory results, final report, November 1, 1977 - February 15, 1980
0280 292 Low temperature cleavage reactions of Illinois No. 6 coal
0281 83 Coal structure cleavage mechanisms: Scission of methylene and ether linkages to hydroxylated rings
0282 24 Coal conversion in aqueous systems
0282 104 Synfuels: What's economical?
0578 116 Evaluation of Radian's report: Water pollution impact of controlling sulfur dioxide emissions from coal-fired steam electric generators
1077 41 Chemistry of coal liquefaction
1077 46 Supercritical solvents and the dissolution of coal and lignite
1077 48 Hydrotreatment of coal with aluminum trichloride/hydrochloric acid and other strong acid media
1178 21 Market opportunities for low-and-intermediate-Btu-gas from coal in selected areas of industrial concentration

- ST. FRANCIS XAVIER UNIVERSITY, ANTIGONISH, NOVA SCOTIA
 1081 223 Determination of surface and bulk oxidation of coals by Fourier Transform Infrared Spectroscopy using a photoacoustic detector
- STAHLWERKE PEINE SALZGITTER AG, SALZGITTER, GERMANY
 0881 29 Rheological and hydromechanical investigations into the behavior of coking coal suspensions transported in pipelines
 0882 43 The hydraulic transport of coal suspensions with coarse particles
- STAL LAVAL (G.B.) LTD., UNITED KINGDOM
 0673 30 Fluidized-bed air heaters for open and open/closed gas-turbine cycles
- STANDARD OIL COMPANY, CHICAGO, ILLINOIS
 0380 80 Hydrodemetalization catalyst and process
- STANFORD RESEARCH INSTITUTE, MENLO PARK, CALIFORNIA
 0168 2 Pyrolysis of coal in a fluidized-bed with an induction-plasma
 0177 149 Sulfur poisoning of catalysts: A study of activity decay in methanol synthesis and Fischer-Tropsch catalysis
 0276 67 Homogeneous catalytic hydrocracking processes for conversion of coal to liquid fuels: basic and exploratory research. Annual report covering the period November 1975 - October 1976
 0276 82 Impacts of Synthetic liquid fuel development - Automotive Market, Volume II, Assessment of Critical Factors
 0276 83 Impacts of Synthetic liquid fuel development - Automotive Market, Volume I, Summary
 0277 5 Molecular Profile Analysis of Coal Products
 0277 86 Synthetic liquid fuels development: Assessment of critical factors. Volume III. Regionalized industry, Social impact, Coal resource impact
 0277 89 Synthetic liquid fuels development: Assessment of critical factors. Volume IV. Energy/economic comparison of coal based automotive energy supply systems
 0279 87 Mild oxidations of coal fractions
 0480 12 Innovative coal extraction technology
 0577 19 Advanced fossil-fuel and the environment - An executive report
 0876 5 Clean energy from Alaskan coals. Final report, January 1974 - December 1975
 1077 50 Field ionization and field desorption mass-spectrometry applied to coal research
 1079 41 Oxidations of coal by aqueous sodium hypochlorite
 1079 75 Mild oxidations of coal models
 1172 0 Patterns of energy consumption in the United-States
- STANFORD UNIVERSITY, STANFORD, CALIFORNIA
 0677 120 Coal slag effects in MHD generators
 0677 128 A high magnetic field MHD generator program. Annual report, July 1975 - June 1977
 0677 254 Electrical behavior of slag coatings in coal-fired MHD generators
 0678 95 Axial field limitations in MHD generators, Topical Report
 0678 96 Topical report on insulating wall boundary layer in a faraday MHD generator
 0679 180 Discharge and corrosion characteristics of staggering metal electrodes for MHD power generators
 0680 11 Optical measurements of mean-particle-size in coal-fired MHD flows
 0680 129 Two-wavelength laser transmissometer for measurements of the mean size and contraction of coal ash droplets in combustion flows
 1174 6 Workshop on fundamental research in homogeneous catalysis as related to U.S. energy problems
 1177 11 An econometric analysis of energy over the next 75 years
- STANISLAW STASZIC UNIVERSITY OF MINING AND METALLURGY, CRACOW, POLAND
 0681 100 Co-ordination of material and energy balances as a basis of combustion process optimization
- STANISLAW STASZIC UNIVERSITY, CRACOW, POLAND
 0381 108 MHD and paramagnetic liquid separation of coal
 0381 111 Oil agglomeration of coal slimes

- STANLEY CONSULTANTS INCORPORATED, MUSCATINE, IOWA
0580 190 Flue gas desulfurization wastes and fly ash disposal for Spurlock Station of East Kentucky Power
- STANTON REDCROFT LTD., LONDON, UNITED KINGDOM
1082 55 Use of thermogravimetry for proximate analysis of coals and cokes
- STATE ELECTRICITY COMMISSION OF VICTORIA, VICTORIA, AUSTRALIA
0680 210 Combustion of particles in a large pulverized brown coal flame
1080 37 Coalification paths of exinite, vitrinite and inertinite
- STATE MAKEEVKA SCIENTIFIC RESEARCH INSTITUTE, UKRAINE, USSR
1078 147 Change in the properties of coal dust after an explosion
- STATE UNIVERSITY OF NEW JERSEY, PISCATAWAY, NEW JERSEY
1179 61 Hydropower, coal, and coal gasification as an alternative energy source for Greece
- STATE UNIVERSITY OF NEW YORK, ALBANY, NEW YORK
0577 63 Characterization of differences between oil-fired and coal-fired power-plant emissions
- STATE UNIVERSITY OF NEW YORK, AMHERST, NEW YORK
0281 42 Effects of pore diameter and catalyst loading in hydroliquefaction of coal with CoO/MoO₃/Al₂O₃ catalysts
1079 84 Preferential adsorption of methane over hydrogen on certain coals
1079 124 Catalysis of hydrogen transfer in a tetralin-coal system
- STATE UNIVERSITY OF NEW YORK, BINGHAMTON, NEW YORK
0379 61 Optimization of bacterial leaching of pyrite in coal - final report
0580 94 Transition metal-mediated desulfurization of aromatic sulfur compounds
- STATE UNIVERSITY OF NEW YORK, BROOKLYN, NEW YORK
0578 93 Coal, water, trace-elements and mortality
- STATE UNIVERSITY OF NEW YORK, BUFFALO, NEW YORK
0278 122 Catalytic hydrodesulfurization and liquefaction of coal. Batch autoclave studies
0278 213 Stannous chloride and cobalt molybdate-alumina catalysts in hydrogenolysis of solvent refined coal
0279 166 Effect of catalyst pore size and configuration on coal liquefaction and hydrodesulfurization - dissertation
1079 128 Catalytic hydrotreating of 1-methylnaphthalene as a screening test
- STATE UNIVERSITY OF NEW YORK, STONY BROOK, NEW YORK
0582 23 Coal waste artificial reef program, phase 4a, - Interim Report
- STAZIONE SPERIMENTALE PER I COMBUSTIBILI, SAN DONATO MILANESE
0479 67 Inflammability of pulverized coal and safety problems
- STBV, ESSEN, WEST GERMANY
0480 24 Winning methods for extreme seam conditions - techniques of today and of the future
0878 24 Stbv activities related to hydromining and hydrotransport
0878 26 Full face mechanized rock tunnel driveage with hydraulic debris disposal
0878 27 The hydrotransport test facility of Bergbau-Forschung
0878 28 Technical measurement problems of the hydrotransport test facility of Bergbau-Forschung GmbH
0878 29 Dewatering of hydraulically transported coal
0878 30 Mechanized stone driveage/full face driveage using high pressure water-jets
- STEARNS ROGER INC., DENVER, COLORADO
0173 10 Operations: Carbon-dioxide-acceptor process gasification pilot-plant. Final report, Volume 6, Book 1 of 2, January 1972 - June 1973
0173 49 Operations: CO₂ acceptor process gasification pilot plant. Final report, Volume 6, Book 2 of 2, Appendices, January 1972 - June 1973

CORPORATE AUTHOR INDEX

0173	50	Run reports: CO//2 acceptor process gasification pilot-plant, Final report, Jan. 1972 - July 1973
0174	21	Operations: Carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume 7, July 1973 - July 1974
0174	29	Coal gasification - when?
0174	62	Run reports CO//2 acceptor process gasification pilot-plant, Final report, Aug. 1973 - April 1974
0175	78	Run reports: CO//2 acceptor process gasification pilot-plant - final report, Vol. 8, June 1974 - Aug. 1975
0177	47	Carbon-dioxide-acceptor process gasification pilot-plant, Commercial plant conceptual design and cost estimate, Final Report, Volume 10, Book 1 of 3, North-Dakota Lignite gasification economics and description, Aug. 1976 - Dec. 1977
0177	141	Carbon-dioxide-acceptor process gasification pilot-plant, commercial plant conceptual design and cost estimate, Final Report, Volume 10, Book 3 of 3, Texas lignite gasification, Aug. 1976 - Dec. 1977
0177	175	Run reports: Carbon-dioxide-acceptor process gasification pilot-plant, Final report, Volume 8, Book 5 of 6, Runs 37 - 42, May 1976 - February 1977
0177	215	Executive summary commercial plant conceptual design and cost estimate: Carbon-dioxide-acceptor process gasification pilot-plant, Final report, Volume 13, Aug. 1976 - Dec. 1977
0177	216	Plant operations final report: carbon-dioxide-acceptor process gasification pilot-plant, Final Report, Volume 12, Book 1 of 4, Jan. 1972 - Oct. 1977
0177	234	CO//2 acceptor process gasification pilot-plant, commercial plant conceptual design and cost estimate, Final Report, Volume 10, Book 2 of 3, North-Dakota lignite gasification process design, Aug. 1976 - Dec. 1977
0177	264	Run reports: CO//2 acceptor process gasification pilot-plant, Final Report, Volume 8, Book 6 of 6, Runs 43 - 47, March - Oct. 1977
0179	2	Run reports: Carbon-dioxide acceptor process gasification pilot-plant, Final report, Volume 8, Book 4 of 6, Runs 28 - 36
0179	23	Plant operations final report, CO/2 acceptor process gasification pilot-plant, Final report, Vol. 12, Book 3 of 4 for January 1972 - October 1977
0179	24	Plant operations final report: CO/2 acceptor process gasification pilot-plant, Final report for January 1972 - October 1977, Volume 12, Book 2
0179	37	CO/2 acceptor process gasification pilot-plant, Plant operations final report, January 1972 - October 1977, Book 4 of 4
0678	31	Pressurized fluidized-bed combustion/component test and integration unit preliminary design report
0681	142	Coal oil mixture firing direct from slurry transported coal
STEARN	ROGER INC., HOMER CITY, PENNSYLVANIA	
0177	207	BI-GAS high temperature thermocouples design considerations and operating experience
0181	247	Operation of the BI-GAS coal gasification pilot plant
STEEL	COMPANY OF CANADA LIMITED, HAMILTON, ONTARIO	
1078	114	Evaluation and selection of coals for blast furnace coke
1174	5	Metallurgical coals in Canada
1177	45	Use of Canadian coals by Stelco
STEINKO	HLENBERGHAUVEREIN, ESSEN, GERMANY	
0879	23	Bulk conveyance and underground transports
STELCO	, BURLINGTON, ONTARIO	
1074	6	Interpreting coal properties for utilization in commercial cokemaking
STEVENS	INSTITUTE OF TECHNOLOGY, HOBOKEN, NEW JERSEY	
0281	7	Kinetics of donor-solvent liquefaction of bituminous coals in nonisothermal experiments
STOE	APPLICATION LABORATORY, HILPERTSTRASSE, GERMANY	
1081	140	A new method for quantitative X-ray analysis of multi-phase mixtures
STOIC	COMBUSTION (PTY) LIMITED, JOHANNESBURG, SOUTH AFRICA	
0180	229	Improvement in or relating to gas producers - A

- STONE & WEBSTER ENGINEERING CORPORATION, BOSTON, MASSACHUSETTS
 0173 48 Thermal hydrogasification of aromatic compounds
 0181 234 Repowering a steam turbine plant with commercially available coal gasification combined-cycle equipment
 0580 177 Atmospheric impacts of natural-draft cooling tower emissions: a case history
 0677 189 Conceptual design of an atmospheric fluidized-bed direct-combustion power generating plant
 0678 81 Technical notes for the conceptual design for an atmospheric fluidized-bed direct combustion power generating plant, Volume 1
 0678 143 Conceptual design for an atmospheric fluidized-bed direct combustion power generating plant, Phase I
 0679 98 Commercial-plant conceptual design. Annual report, January 1978
 0679 122 Economic feasibility of pressurized fluidized-bed combustor power-plant
 0680 137 Preparing new source review applications for coal-fired power-plants
 0680 137 Reliability analysis of a fluidized-bed boiler for a coal-fueled power plant
- STONE & WEBSTER ENGINEERING CORPORATION, DENVER, COLORADO
 0177 140 Status of selected coal conversion technologies
- STONE & WEBSTER ENGINEERING CORPORATION, NEW YORK, NEW YORK
 0177 303 Comparative evaluation of high and low temperature gas cleaning for coal gasification-combined cycle power systems, Final Report
 0180 70 The impact of heavy crude oils on refinery operation
 0579 119 Design, construction, operation and evaluation of a prototype culm combustion boiler/heater unit
- STORE NORSE SPITZBERGEN KULKOMPANI A/S, LONGYEARBYEN, NORWAY
 0979 5 Geochemical affinities as exploration and classification tools
- STRATABOLT CORPORATION, PELHAM, ALABAMA
 0482 27 Arches can ease roof-fall repair
- STRATHCONA INDUSTRIAL ASSOCIATION, EDMONTON, ALBERTA
 0582 17 Strathcona Industrial Association new compliance network
- STRUTHERS THERMO FLOOD CORPORATION, WINFIELD, KANSAS
 0681 93 Utilization of fluidized bed combustion for oil field steam generation
- STRUTHERS WELLS CORPORATION, WARREN, PENNSYLVANIA
 0681 93 Utilization of fluidized bed combustion for oil field steam generation
- SUMITOMO METAL INDUSTRIES, LTD., JAPAN
 0181 124 Coal gasification process by Sumitomo metals
- SUMITOMO AKABIRA COAL MINE, JAPAN
 0480 25 Technologies of deep mine safety under difficult conditions - spontaneous combustion and gas outburst-at Sumitomo-Akabira coal mine
- SUNOCO ENERGY DEVELOPMENT COMPANY, DALLAS, TEXAS
 0380 85 Process for drying and stabilizing coal
 0577 2 SUNEDCO's new Cordero facilities integrate strip mining and reclamation
 1181 8 Synthetic Fuels: Promises and Problems
- SUNTECH, INC., MARCUS HOOK, PENNSYLVANIA
 0277 130 Research and development of an advanced process for the conversion of coal to synthetic-gasoline and other distillate fuels
 0278 67 Bench scale coal liquefaction studies
 0281 350 Extraction of solvent-refined coal liquids

- SUNTECH, INC., WAYNE, PENNSYLVANIA
 0280 120 Coal extraction process
 0380 82 Fuel composition comprising a coal-oil slurry
- SURFACE MINING, INDIANAPOLIS, INDIANA
 0580 80 Novel spreaders aid reclamation
- SYDNEY TECHNICAL COLLEGE, SYDNEY, NOVA SCOTIA
 0880 34 Combustion control in coal-burning ships
- SYNERGIC RESOURCES CORPORATION, BALA CYNWYD, PENNSYLVANIA
 0480 108 Designing deep-seam ground control
 0480 153 Face haulage is the face capacity
 0480 159 Mining multiple seams
 1181 34 The rise in regulatory activity - and the fall in surface productivity
- SYNTHANE PILOT PLANT, PITTSBURGH, PENNSYLVANIA
 0177 113 Coal pressurization and feeding - Use of a lock hopper system
- SYNTHETIC FUELS ASSOCIATES, INC., PALO ALTO, CALIFORNIA
 0182 48 Coal gasification - an overview
 0281 248 Coal liquefaction: direct versus indirect - making a choice
 0282 50 Direct versus indirect coal liquefaction
 0382 21 Coal cleaning for synfuel feedstocks
- SYRACUSE RESEARCH CORPORATION, SYRACUSE, NEW YORK
 0177 288 Process for coal gasification
 0376 12 Feasibility study of pre-combustion coal cleaning using chemical comminution. Final Report
 0377 41 Chemical comminution: A process for liberating the mineral matter from coal
 1078 94 Characterization of the chemical comminution of coal. Final report
- SYRACUSE UNIVERSITY, SYRACUSE, NEW YORK
 0378 82 Influence of surfactants on the dewatering of coal - dissertation
 0678 213 Experiments in coal devolatilization and combustion
- SYSTEM SCIENCES, INC., BETHESDA, MARYLAND
 0875 0 Design of slurry pipeline for reduced flow rates (Turn down parameters)
- SYSTEMS APPLICATIONS INC., SAN RAFAEL, CALIFORNIA
 0479 69 Mathematical modeling of changes in the distribution of sulfur in coal as it undergoes mining and transport operations
- SYSTEMS CONSULTANTS, INC., WASHINGTON, DISTRICT OF COLUMBIA
 0178 297 A coal and gas pipeline feasibility study Volume III: Appendices
 0777 23 The application of near-term fossil technologies to the energy supply/demand profiles of United-States and regions
- SYSTEMS, SCIENCE AND SOFTWARE, LA JOLLA, CALIFORNIA
 0176 97 Computer modeling of coal gasification reactors. Annual progress report, June 1975 - June 1976
 0177 248 Computer modeling of coal gasification reactors. Year 2. Annual report. June 1976 - June 1977
 0179 149 Computer modeling of coal gasification reactors
 0179 353 Analysis of the dynamic response of process gas H₂/2S removal plants
 0379 55 Dynamic modeling of hydrogen sulfide clean-up processes
 0678 126 A numerical model of gas fluidized-bed

- SYSTEMS, SCIENCE AND SOFTWARE, SAN DIEGO, CALIFORNIA
0580 151 Organic material emissions from holding ponds at coal-fired power generation facilities
- TAKNEKRON, INC., BERKELEY, CALIFORNIA
0678 62 Review of new source performance standards for coal-fired utility boilers, Volume 1: Emissions and non-air quality environmental impacts
- TANKER AND GAS CARRIER GROUP, LONDON, UNITED KINGDOM
0882 56 The relationship between cargo characteristics and bulk chemical tanker design and construction
- TATA IRON & STEEL COMPANY, LTD., JAMSHEDPUR, INDIA
0377 64 Effect of input size on coal washing processes
0680 238 An appraisal of the present status of direct reduction processes using non-coking coal
1079 42 Distribution of sulfur during carbonization of high sulfur coal
- TATABANYAI SZENBANYAK, TATABANYA, HUNGARY
0282 139 Method for the production of liquid carbon compounds from coal
- TAVISTOCK COLLIERIES LIMITED, OGIES, TRANSVAAL, SOUTH AFRICA
0480 5 Continuous mining within the Tavistock Group of collieries
0480 59 Establishing a world's record for continuous miner production
- TECH VER DER GROSSKRAFTWERKSBEITR, ESSEN, GERMANY
0680 121 Origins of the trace elements zinc, cadmium and vanadium in bituminous coal and their behavior during combustion/die herkunft der spurenelemente zink, cadmium und vanadium in steinkohl en und ihr verhalten bei der verbrennung
- TECHMAN LTD., CALGARY, ALBERTA
0379 19 Recent advances in Canadian coal preparation
- TECHN. WERKE STUTTGART, WAIBLINGEN/BRD, WEST GERMANY
0677 107 Corrosion on refuse incineration boilers, preventive measures
- TECHNICAL RESEARCH CENTER, KAWASAKI, JAPAN
0579 69 Precision on the determination of trace elements in coal
- TECHNICAL SUPPORT CENTER, PITTSBURGH, PENNSYLVANIA
0581 49 Laboratory evaluation of RACAL airstream helmet
- TECHNICAL UNIVERSITY OF AACHEN, AACHEN, GERMANY
0679 112 Investigations on the flow and pumping behaviour of coal-oil-mixtures with particular reference to the injection of a coal-oil-slurry into the blast furnace
- TECHNICAL UNIVERSITY OF BUDAPEST, BUDAPEST, HUNGARY
0681 136 Influence of foreign materials upon the thermal decomposition of dolomite, calcite and magnesite. Part III.
The effect of the thermal dissociation and sulphation conditions on the capture of sulphur dioxide
- TECHNICAL UNIVERSITY OF CRACOW, CRACOW, POLAND
0681 136 Influence of foreign materials upon the thermal decomposition of dolomite, calcite and magnesite. Part III.
The effect of the thermal dissociation and sulphation conditions on the capture of sulphur dioxide
- TECHNICAL UNIVERSITY OF DENMARK, LYNGBY, DENMARK
0678 120 Holdup, mass-transfer, and mixing in three-phase fluidization

TECHNICAL UNIVERSITY OF HEAVY INDUSTRY, MISKOLC, HUNGARY

- 0381 95 An application of coal petrography to coking coal preparation

TECHNICAL UNIVERSITY OF NOVA SCOTIA, HALIFAX, NOVA SCOTIA

- 0381 110 Deashing of low-quality Nova Scotia coals by spherical agglomeration
 0681 209 Fluidized bed combustion: a viable alternative for residential heating
 0681 212 Technoeconomic evaluation of coal/liquid/mixtures as utility fuels
 0682 48 Erosion of materials using recirculated coal-liquid mixtures
 1081 222 Adsorption - a tool for characterizing coal oxidation

TECHNICAL UNIVERSITY OF VIENNA, VIENNA, AUSTRIA

- 1081 201 Experimental results of soft x-ray emission spectra from iron-aluminium (FeAl) cobalt-aluminium (CoAl) and nickel-aluminium (NiAl)

TECHNICAL UNIVERSITY OF WROCLAW, WROCLAW, POLAND

- 0282 21 A kinetic study of the supercritical toluene extraction of coal at 9.8 MPa
 0680 133 Evaluation of kinetic parameters of coal ignition
 1082 49 Properties and structure of metallurgical formed cokes

TECHNICAL UNIVERSITY, GLIWICE, POLAND

- 1081 96 Raman studies of coals

TECHNICAL UNIVERSITY, MUNICH, GERMANY

- 0479 163 Mechanics of drilling in brittle or granular materials, especially in coal seams

TECHNOLOGY DEVELOPMENT CORPORATION, HUNTSVILLE, ALABAMA

- 0180 194 Coal conversion products industrial applications

TEHRAN UNIVERSITY, TEHRAN, IRAN

- 0280 285 Gas chromatographic study of methylstyrenes in the light-oil fraction of coal distillate using selective hydrogenation

TEKNEKRON RESEARCH INC., BERKELEY, CALIFORNIA

- 0678 53 Review of new source performance standards for coal-fired utility boilers, Volume 11, Economic and financial impacts

TEKNEKRON RESEARCH, INC., BERKELEY, CALIFORNIA

- 0580 132 Sammi's Generating Station: Meeting SO₂/2 and particulate standards with cleaned Ohio coals
 0679 185 Review of new source performance standards for coal-fired utility boilers, phase three report sensitivity studies for the selection of a revised standard

TEKNEKRON RESEARCH, INC., MCLEAN, VIRGINIA

- 0580 112 Activities, effects and impacts of the coal fuel cycle for a 1,000-MWe electric power generating plant. Final Report

TEL AVIV UNIVERSITY, TEL AVIV, ISRAEL

- 1177 20 Some problems concerning solar cell arrays in the design of solar-electrical systems

TENNESSEE EASTMAN CO., KINGSPORT, TENNESSEE

- 0182 32 A turn in the road: Chemicals from coal

TENNESSEE VALLEY AUTHORITY, CHATTANOOGA, TENNESSEE

- 0578 36 Environmental evaluation of ash disposal at coal-fired power-plants
 0579 77 Measurements of sulfuric acid at Tennessee Valley Authority coal-fired power plants using condenser method
 0580 175 Effects of coal-ash leachate on ground water quality
 0581 96 An overview of coal gasification environmental control technologies
 0677 4 Characterization of Ash from Coal-Fired Power plants

- 0681 96 Tennessee valley authority's atmospheric fluidized bed combustion projects
 0681 115 Tennessee Valley Authority 20-MW AFBC pilot plant design features and test program TVA/OP/ED&T - 81/32
 0681 211 Examining relationships between coal characteristics and the performance of TVA power plants Part 2: boiler efficiency
- TENNESSEE VALLEY AUTHORITY, KNOXVILLE, TENNESSEE
 0680 4 Utilization of multiplexing techniques for existing TVA fossil power plants.
- TENNESSEE VALLEY AUTHORITY, MUSCLE SHOALS, ALABAMA
 0175 2 Evaluation of fixed-bed, low-Btu coal gasification systems for retrofitting power plants
 0177 96 Evaluation of Intermediate-Btu-coal gasification systems for retrofitting power plants
 0579 77 Measurements of sulfuric acid at Tennessee Valley Authority coal-fired power plants using condenser method
 0582 21 Preparation and characterization of melamine sulfurous and sulfuric acid adducts
 0681 66 Corrosion in lime/limestone slurry scrubbers for coal-fired boiler flue gases
 0681 68 Atmospheric oxidation of flue gases from coal-fired power plants - a comparison between conventional and scrubbed plumes
 0682 13 Model calculations of the chemical processes occurring in the plume of a coal-fired power plant
- TETRA TECH, INC., ARLINGTON, VIRGINIA
 1176 10 Energy from coal, a state-of-the-art review
- TEXACO CHEMICAL CO., AUSTIN, TEXAS
 0181 255 Carboxylic acids from syngas
- TEXACO DEVELOPMENT CORPORATION, WHITE PLAINS, NEW YORK
 0180 95 Coal gasification method of feeding dry coal
 0180 127 Production of ammonia synthesis gas from solid carbonaceous fuels
 0181 196 Commercialization of the Texaco coal gasification process
 0280 124 Conversion of solid fuels into fluid fuels
- TEXACO INC., HOUSTON, TEXAS
 0181 51 Cool water coal gasification
- TEXACO INC., LOS ANGELES, CALIFORNIA
 0181 196 Commercialization of the Texaco coal gasification process
- TEXACO INC., NEW YORK, NEW YORK
 0275 25 Cellular solvent refined coal and methods for making same
- TEXACO INC., WHITE PLAINS, NEW YORK
 0681 36 Solid fuel composition
- TEXACO, INC., MONTEBELLO RESEARCH LABORATORY, MONTEBELLO, CALIFORNIA
 0177 61 Gasification of residual materials from coal liquefaction, Evaluation of H-Coal Syncrude vacuum-tower-bottoms as feedstock to Texaco coal gasification process
 0177 159 Gasification of residual materials from coal liquefaction, Type II preliminary pilot-plant evaluation of H-coal syncrude vacuum tower bottoms
 0177 161 Gasification of residual materials from coal liquefaction, Final report on Type I laboratory test
 0177 165 Gasification of residual materials from coal liquefaction, Evaluation of vapor stripper bottoms from the USS Clean coke hydrogenation process as feedstock to the Texaco coal gasification process
 0177 171 Gasification of residual materials from coal liquefaction
 0177 184 Gasification of residual materials from coal liquefaction, Evaluation of SRC II vacuum flash drum bottoms as feedstock to the Texaco coal gasification process
 0177 247 Gasification of residual materials from coal liquefaction, Annual report, July 1976 - June 1977
 0177 293 Gasification of residual materials from coal liquefaction, evaluation of H-coal settler stripped underflow as feedstock to Texaco coal gasification process
 0178 178 Gasification of residual materials from coal liquefaction, Type II preliminary pilot-plant evaluation of

0178 179	SRC-II vacuum flash drum bottoms
0178 315	Gasification of residual materials from coal liquefaction, Type II preliminary pilot-plant evaluation of vacuum tower bottoms from the Exxon donor solvent coal liquefaction process
0178 349	Gasification of residual materials from coal liquefaction. Annual report for July 1977 - June 1978
0179 128	Gasification of coal liquefaction residues from the Wilsonville SRC pilot-plant using the Texaco coal gasification process
0180 84	Gasification of residual materials from coal liquefaction. Type III - Extended pilot-plant evaluation of SRC-II vacuum flash drum bottoms from Kentucky No. 9/14 coal
0180 198	Coal gasification development and commercialization of the Texaco coal gasification process
0180 199	Gasification of residual materials from coal liquefaction: Evaluation of pelletized Kerr-McGee ash concentrate as a feedstock for the Texaco coal gasification process. Final Report on Type I laboratory test
0278 45	Gasification of residual materials from coal liquefaction, Type IV sustained pilot plant evaluation of SRC-II vacuum flash drum bottoms from Powhatan coal
	Gasification of coal liquefaction residues
TEXAS A&M UNIVERSITY, COLLEGE STATION, TEXAS	
0178 387	Conversion of coal-based methanol to ethylene and a gaseous fuel
0179 66	Catalytic conversion of oxygenated compounds to low molecular weight olefins. Annual Report for January - December 1978
0179 186	Analysis of geological limitations to underground coal gasification
0179 247	Conversion of coal-based methanol to ethylene and propylene a viable alternative
0181 80	On the electrolysis of coal slurries
0181 86	Modeling of a continuous lignite extraction process
0181 173	Fixed bed gasification of Texas lignite pellets
0181 243	Analysis of particles collected during in situ gasification of lignite
0182 82	Results and postburn evaluation of Tamu's 1980 ULG field test in east Texas lignite, Rockdale site
0278 71	Chemistry of Texas-lignite liquefaction in a hydrogen-donor solvent system
0279 168	Separation of coal-derived liquids by gel permeation chromatography
0280 34	Dissolution of wet Texas lignite in tetralin
0280 189	Simulation of underground liquefaction of lignite - dissertation
0280 230	Data bank for synthetic fuels
0280 291	Liquid sulfur dioxide - as an agent for upgrading coal liquid
0280 339	Liquefaction of lignite
0281 43	Empirical models for the rates of lignite liquefaction
0281 67	Liquid sulphur dioxide - a reagent for the separation of coal liquids
0281 68	Olefins from coal via methanol
0281 136	Reaction model for the dissolution of large particles of Texas lignite
0281 246	Liquid sulfur dioxide as an agent for upgrading coal liquid
0282 34	Chemistry of Texas lignite liquefaction in a hydrogen-donor solvent system
0282 35	Separation of coal-derived liquids by gel permeation chromatography
0381 45	Sulfur removal from Texas lignite using steam and air
0580 64	Arsenic and selenium in Texas lignite
0780 41	Forms of sulfur in East Texas lignitic coal
0879 27	Rheological properties of methacal suspensions formulated from Texas lignite
0881 14	The effect of saline concentration on the viscous properties of lignite water suspensions
0881 38	Economic optimum design of a methacal pipeline
1077 52	Characterization of liquids and gases obtained by hydrogenating lumps of Texas-lignite
1078 52	Pyrite morphology in lignitic coal and associated strata of east Texas
1078 115	Carbon isotope fractionation during coal pyrolysis
1078 187	New extraction technique for alumina from coal ash
1079 95	Metallurgical coal
1079 258	Novel approaches to a study of the fundamental organic chemistry of coal. Final report, September 1, 1977 - September 1, 1979
1081 159	Reversed-phase HPLC retention behavior of coal-related nitrogen heterocyclic compounds
1081 185	A new method for analysis of pyrite in coal and lignite

TEXAS EASTERN TRANSMISSION CORPORATION, HOUSTON, TEXAS

- 0881 13 Coal supply/demand 1980-2000 - A transportation analysis
- 0882 39 ETSI coal evaluation plant

TEXAS TECH UNIVERSITY, LUBBOCK, TEXAS

- 0181 131 Particle-to-fluid heat transfer in two phase flow in packed bed reactors: analytical model

THAMES HOUSE, CHARLBURY, OXFORD, UNITED KINGDOM

- 0478 287 Some geotechnical considerations in the planning of surface coal mines

THERMO ELECTRON CORPORATION, WALTHAM, MASSACHUSETTS

- 0279 221 Economic and technological assessment of diesel engines using coal-based fuels for electric power generation. Final Report
- 0680 160 Performance tests of a slow-speed, two-stroke diesel engine using coal-based fuels

THIESS DAMPIER MITSUI COAL PTY LTD., MOURA, AUSTRALIA

- 0379 130 Optimization of coal preparation, design based on exploration data

THORESBY COLLIERY, NORTH NOTTINGHAMSHIRE, UNITED KINGDOM

- 0482 19 Experience in the Parkgate Seam

THUNDER BASIN COAL COMPANY, GILLETTE, WYOMING

- 0879 37 New look at effective use of trucks

THYSSEN (GREAT BRITAIN) LTD., DYFED, UNITED KINGDOM

- 0982 1 Access to coal

THYSSEN SCHACHTBAU GMBH., MUELHEIM, WEST GERMANY

- 0479 199 Spiral bunker system gives new capabilities to coal mines

TOHOKU UNIVERSITY, SENDAI, JAPAN

- 0178 168 Gasification of coals treated with nonaqueous solvents. 2. Effect of liquid ammonia treatment of gasification with hydrogen
- 0178 169 Gasification of coals treated with nonaqueous solvents. 3. Swelling behaviour of a single coal particle
- 0179 144 Gasification of coals treated with non-aqueous solvents. 4. Reactivity of coals treated with liquid-ammonia
- 0179 303 Scanning electron microscope study on the catalytic gasification of coal
- 0181 59 Conversion of caking coal into non-caking coal by treatment with sulphur and sulphur dioxide
- 0281 161 Volcano-shaped relation between heats of oxide formation of metals and coal-liquefaction activities of liquid-metal catalysts
- 0679 173 Oxidation of coals with nitrate in concentrated caustic soda solutions at elevated temperatures

TOKYO ELECTRIC POWER CO. LTD., TOKYO, JAPAN

- 1181 25 Future prospects for Canada-Japan energy relations

TOSCO CORPORATION, LOS ANGELES, CALIFORNIA

- 0281 282 Production of synthetic crude oil from coal using the Toscoal pyrolysis process
- 0680 101 Method and apparatus for retorting a substance containing organic matter
- 0681 39 Coal pyrolysis looks good

TOYOHASHI UNIVERSITY OF TECHNOLOGY, TOYOHASHI, JAPAN

- 1079 25 Graphitization and sintering of coals under pressure
- 1081 25 Determination of viscoelastic properties of pitches by torsional creep
- 1081 75 Determination of intrinsic viscosity of fractionated pitches and discussion on the shape and size of pitch molecules

- TRACOR NORTHERN, INC., MIDDLETON, WISCONSIN
1081 202 Interactive software for automated particulate analysis
- TRADET LABORATORIES, COLUMBUS, OHIO
1073 16 Total mercury mass balance at a coal-fired power-plant
- TRANE COMPANY, LA CROSSE, WISCONSIN
0677 183 Packaged industrial coal-fired fluidized-bed boiler concept analysis
- TRANS ALTA UTILITIES, CALGARY, ALBERTA
0382 10 Planning for coal beneficiation
0582 15 Applications of airshed modelling to utility planning
- TRANSFLUX INTERNATIONAL LIMITED, FORT LEE, NEW JERSEY
0477 160 Control and automation of hydraulic transportation for underground coal mines, Final Report
0879 33 Evaluation of alternate hydraulic transport concepts for coal haulage in underground mines - final technical report
- TRW DEFENSE AND SPACE SYSTEMS GROUP, REDONDO BEACH, CALIFORNIA
0177 166 Catalytic conversion of coal energy to hydrogen, Project final report
0379 28 System optimizes coal desulfurization
0379 54 Coal desulfurization
0379 126 Preservation of reactor test unit and desulfurization of gob pile samples
0381 119 Gravimetric process for near complete chemical removal
0581 87 Project for laboratory study for removal of organic sulfur from coal
0676 24 TRW 25-MWT staged MHD coal combustor conceptual design study
1079 214 Coal sulfur measurements
- TRW ENERGY ENGINEERING DIVISION, MCLEAN, VIRGINIA
0181 127 Assessment of selenol acid gas removal for use with Lurgi gasification
0181 128 An engineering model of coal agglomeration during gasification
0181 192 Gasifier evaluation for gasoline production
0181 193 Optimum gasifier operating pressure for gasoline production using Texaco gasification in a coal-to-methanol-to-gasoline process
- TRW ENERGY SYSTEMS GROUP, MORGANTOWN, WEST VIRGINIA
0178 289 Design criteria for lock hopper valve development
0179 336 Coal derived fuel gases for molten carbonate fuel cells
- TRW ENERGY SYSTEMS GROUP, REDONDO BEACH, CALIFORNIA
0481 128 Economic analysis of vertical wells for coalbed methane recovery
- TRW ENERGY SYSTEMS PLANNING DIVISION, MCLEAN, VIRGINIA
0176 94 Fluid-bed char gasifier: process design
0178 240 Underground gasification for steeply dipping coal beds, Phase 1 report: Appendix C. Parametric cost estimate. September 1977 - February 1978
0178 246 Underground gasification for steeply dipping coal beds, Phase 1 report: Appendix B. Environmental Analysis. September 1977 - February 1978
0178 247 Underground gasification for steeply dipping coal beds, Phase 1 report: Appendix A. Site selection. September 1977 - February 1978
0178 259 Underground gasification for steeply dipping coal beds, Phase 1 report: Feasibility study and program plan. September 1977 - February 1978
0179 35 Prototype lockhopper valve test plan
0179 62 Program Rationale valves for solids throttling applications in coal conversion and utilization processes
0179 106 Implications of RCRA, SMCRA, and TSCA on underground coal gasification
0181 165 Application of controlled temperature carbonization to avoid coal agglomeration during gasification
0277 113 Analysis of SRC pilot-plant data. Comparison of Wilsonville and Ft.-Lewis pilot-plants. Task 012, Final Report

- 0279 24 Design criteria for a control valve for hot dirty gas service
 0279 25 Design criteria for a control valve for slurry letdown service
 0480 116 Potential for coal-bed methane production from the Greater Green River Coal Region
 0678 29 Design study for a coal/oil slurry pumping and preheating system
 0679 116 User's manual for atmospheric fluidized-bed combustor system - Economic performance algorithm computer program
- TRW ENVIRONMENT ENGINEERING DIVISION, REDONDO BEACH, CALIFORNIA
 0280 308 SASOL: South Africa's oil from coal story: background for environmental assessment
 0578 115 Environmental assessment data base for high-Btu gasification technology: Volume I. Technical Discussion
 0578 118 Environmental assessment data base for high-Btu gasification technology, Volume III. Appendices D, E, and F
- TRW SYSTEMS AND ENERGY, REDONDO BEACH, CALIFORNIA
 0380 133 Chemical removal of organic sulfur from coal
- TRW SYSTEMS AND ENERGY, WASHINGTON, DISTRICT OF COLUMBIA
 0176 12 Carcinogens relating to coal conversion processes
 0579 56 Coal desulfurization by the Gravichem process.
 1076 21 Carcinogens relating to coal conversion processes
- TRW, DENVER, COLORADO
 0181 16 Status and test plan for the gasification of steeply dipping coal beds - Rawlins II
- TRW, INC., ONE SPACE PARK, REDONDO BEACH, CALIFORNIA
 0277 133 Coal liquefaction material balance and yield reporting procedures
 0377 20 Pilot plant design for chemical desulfurization of coal
 0377 47 Applicability of the Meyers process for desulfurization of United-States coal (A survey of 35 coals)
 0377 48 Coal desulfurization test plant status - July 1977
 0578 6 Environmental assessment of high-Btu gasification annual report
- TRW, LAKEWOOD, COLORADO
 0582 9 Use of mathematical models to predict impacts of mining energy minerals on the hydrologic system in Northwestern Colorado
- TUFTS UNIVERSITY, MEDFORD, MASSACHUSETTS
 0678 266 Studies for the stabilization of coal-oil slurries (COM)-Technical Progress Report for August-November, 1978
 0579 194 Coal-oil mixtures: their technical and commercial status
 1081 238 An investigation of the hydrophilic/oleophilic nature of various coals
 1082 54 The sedimentation of coal in model oils: The effect of the viscosity and composition of the oil
- TUSCALOOSA METALLURGY RESEARCH LABORATORY, TUSCALOOSA, ALABAMA
 0176 19 Refractory-Lining-materials for coal gasifiers
- TWENTE UNIVERSITY OF TECHNOLOGY, ENSCHEDE, THE NETHERLANDS
 0273 2 The effect of hydrogen sulfide on the hydrodenitrogenation of pyridine
- TWIN CITIES MINING RESEARCH CENTER, TWIN CITIES, MINNESOTA
 0176 126 Reactivity and gasification characteristics of low ranking coals and potentially reducing waste materials
 0479 236 Improved automatic fire protection systems for off-highway mine vehicles
 0680 87 Partial replacement of coke in cupola operation
 0775 3 Cutting experiments using a rotating water jet in a borehole
- UBE INDUSTRIES LIMITED, UBE SHI, JAPAN
 0180 19 A new concept for ... three phase fluidized beds

CORPORATE AUTHOR INDEX

- UBE INDUSTRIES LIMITED, YAMAGUCHI KEN, JAPAN
 - 0180 124 Process for separately releasing carbon dioxide and hydrogen sulphide from solutions containing the above-mentioned compounds
- UKRAINIAN SCIENTIFIC RESEARCH INSTITUTE OF COAL CHEMISTRY, UKRAINE, USSR
 - 1078 150 Apparatus for the differential condensation of the vapors produced by the thermal treatment of coals
- UNION CARBIDE CORPORATION, CLEVELAND, OHIO
 - 1079 115 Pyrolysis studies on model aromatic sulfur compounds
 - 1082 78 Characterization of pitches by differential scanning calorimetry and thermomechanical analysis
- UNION CARBIDE CORPORATION, DANBURY, CONNECTICUT
 - 0181 110 Petrochemicals from coal-based syngas?
- UNION CARBIDE CORPORATION, NEW YORK, NEW YORK
 - 0180 131 Cryogenic process for separating synthesis gas
 - 0280 282 Split stream methanation process
 - 0380 101 Oxidative coal desulfurization using lime to regenerate alkali metal hydroxide from reaction product
 - 0380 102 Mild oxidative coal desulfurization
 - 0380 103 Microbial desulfurization of coal
 - 0680 173 Process for producing methane from gas streams containing carbon-monoxide and hydrogen
- UNION CARBIDE CORPORATION, OAK RIDGE, TENNESSEE
 - 0181 74 Availability (exergetic) analysis of coal gasification processes. Part 1. Theoretical considerations
 - 0182 15 Availability (exergetic) analysis of coal gasification processes. Part 2. The synthane process
- UNION CARBIDE CORPORATION, PARMA, OHIO
 - 1080 139 Rheology of carbonaceous mesophase pitch
- UNION CARBIDE CORPORATION, SOUTH CHARLESTON, WEST VIRGINIA
 - 0179 262 Pressure vessels for coal conversion systems
 - 0279 223 Fluid bed hydrogenation of agglomerating bituminous coals
 - 0281 18 The state of manganese promoter in rhodium-silica gel catalysts
 - 0281 62 Impedance heating for pilot plant process lines
 - 0678 117 Slugging in beds of large particles
- UNION CARBIDE CORPORATION, TONAWANDA, NEW YORK
 - 0180 13 Cryogenics for syngas processing
 - 0181 55 Industrial oxygen plants - a technology overview for users of coal gasification combined-cycle systems
 - 0181 132 Low purity O₂ saves energy in coal conversion
- UNION ELECTRIC COMPANY, ST. LOUIS, MISSOURI
 - 0880 37 Evaluating freeze conditioning agents at the Union Electric Company.
- UNION OIL COMPANY, BREA, CALIFORNIA
 - 0380 69 Desulfurization of coal
 - 1081 180 Carbon-13 CP/MAS study of coal macerals of varying rank
- UNITECH DIVISION OF ECODYNE, UNION, NEW JERSEY
 - 0181 92 Disposal of coal gasification wastestreams by evaporation
- UNITED AIRCRAFT RESEARCH LABORATORIES
 - 0673 23 Fuel gasification and advanced power cycles - A route to clean power

UNITED ENGINEERS AND

CONSTRUCTORS, INC., PHILADELPHIA, PENNSYLVANIA

0177 263 Capital cost: Low and high sulfur coal plants - 800 MWe Vol. 1
 0177 267 Capital Cost: High and low sulfur coal plants - 1200MWe, Volume 1 of 3
 0177 277 Capital cost: low and high sulfur coal plants - 800 MWe Vol. 2
 0177 282 Capital cost: low and high sulfur coal plants - 800 MWe Vol. 3
 0276 84 Evaluation of a coal liquefaction process using either a nuclear or fossil heat source
 0677 244 Capital cost: High and low sulfur coal plants - 1200-MWe, Volume 3 of 3

UNITED MINE WORKERS OF AMERICA, DISTRICT NO. 18, CALGARY, ALBERTA

1145 0 A brief submitted to the Royal Commission on Coal, by District No. 18, United Mine Workers of America, Calgary, Alberta
 1160 1 To the Royal Commission on Coal (1959) Submission of District-18, United Mine Workers of America

UNITED TECHNOLOGIES CORPORATION, FARMINGTON, CONNECTICUT

0177 186 Development of high temperature subsystem technology to a technology readiness state, Phase 1, Topical report, Overall plant design description for operation with coal derived gaseous fuel
 0677 211 Development of high-temperature subsystem technology to a technology readiness state, Phase 1, Topical report: Turbine subsystem preliminary design
 0677 212 Development of high-temperature subsystem technology to a technology readiness state, Phase 1, Topical report: Overall plant design description for operation on coal-derived liquid-fuel
 0677 213 Development of high-temperature subsystem technology to a technology readiness state, Phase 1, Topical report: Baseline combined-cycle system for operation with coal-derived liquid-fuel
 0677 214 Development of high-temperature subsystem technology to a technology readiness state, Phase 1, Final report, June 1976 - February 1977
 0677 215 Development of high-temperature subsystem technology to a technology readiness state, Phase 1, Topical report, Baseline combined cycle system for operation with coal-derived gaseous-fuel
 0677 216 Development of high-temperature subsystem technology to a technology readiness state, Phase 1, Topical report, Phase 3 Preliminary turbine subsystem technology readiness verification program plan
 0677 217 Development of high-temperature subsystem technology to a technology readiness state, Phase 1, Topical report, Preliminary combustor design
 0678 254 Evaluation of coal-fired fluid bed combined cycle power plant

UNITED TECHNOLOGIES CORPORATION, SOUTH WINDSOR, CONNECTICUT

0182 110 A baseload gas turbine to meet utility requirements for reliability and availability
 0681 165 Development of the Adiabatic reformer to Process No. 2 Fuel oil and coal-derived liquid fuels
 1177 7 Hybrid simulation of fuel cell power conversion systems
 1180 31 Cogeneration technology alternatives study (ctas) United Technologies Corporation - final report
 1180 32 Cogeneration technology alternatives study (ctas) United Technologies Corporation, Final Report, Volume 1 - Summary Report

UNITED TECHNOLOGIES RESEARCH CENTER, EAST HARTFORD, CONNECTICUT

0178 189 Second generation integrated coal gasification/combined-cycle power systems
 0179 317 Experimental study and modeling of coal pyrolysis at high temperatures
 0180 280 An in situ study of rapid coal pyrolysis using FTIR
 0677 97 The effect of Na/Cl on the Na/2S/O//4 induced hot corrosion of Ni/Al
 0680 215 Coal-fired fluid bed combustion augmented compressed air energy storage systems
 0680 219 Investigation of the devolatilization of coal under combustion conditions
 0681 217 Compressed air energy storage using coal-fired fluidised bed combustors: a preliminary evaluation
 1079 229 Relation between coal structure and thermal decomposition products
 1080 128 Physical and chemical characterization of coal
 1081 20 Correlation of coal volatile yield with oxygen and aliphatic hydrogen
 1081 39 Relation between coal aromatic carbon concentration and proximate analysis fixed carbon
 1081 170 Relation between coal structure and thermal decomposition products

- UNITED STATES ARMY ENGINEER DIVISION, HUNTSVILLE, ALABAMA
 0177 170 Commercial conceptual design and commercial feasibility evaluation for clean boiler fuel facility.
 Capital-cost validation of Coalcon report/cost estimate, June 1977
 0177 260 Fischer-Tropsch design project capital cost validation
 0178 226 Conceptual design of a coal to methanol commercial plant capital-costs validation
 0278 115 Conceptual design of power-oil-gas-other products (POGO) processing plant capital-costs validation
 0278 129 Advance coal liquefaction design project capital cost validation
- UNITED STATES ARMY MOBILITY EQUIPMENT RESEARCH AND DEVELOPMENT COMMAND, FORT BELVOIR, VIRGINIA
 0282 41 Fuel quality vs engine types
- UNITED STATES BUREAU OF LAND MANAGEMENT, MILES CITY, MONTANA
 0780 25 Coal stratigraphy of the Tongue River Member, Northern Cheyenne Reservation, Montana
- UNITED STATES BUREAU OF MINES, BRUCETON, PENNSYLVANIA
 0480 190 Rock mechanics study of a longwall panel
- UNITED STATES BUREAU OF MINES, DENVER, COLORADO
 0480 197 Long-term response of a coal mine roof to time lapse between exposure and support
 0481 154 Analysis of pillar stability on steeply pitching seam using the finite element method
- UNITED STATES BUREAU OF MINES, PITTSBURGH, PENNSYLVANIA
 0179 269 Treatment of coal gasification wastewaters by adsorption with gasifier chars
 0250 0 Mechanism of coal hydrogenation
 0463 0 Hydraulic coal mining research: Tests in a steeply pitching coalbed, Roslyn, Wash.
 0465 0 Hydraulic coal mining research: Development mining in a steeply pitching coalbed, Roslyn, Wash.
 0476 10 Respirable Dust Control
 0476 11 Overview of the respirable dust research program
 0476 12 MESA's respirable dust enforcement program
 0476 13 Respirable dust measurement
 0476 14 Reduced generation of airborne respirable dust through deep-cutting continuous miners
 0476 15 Guidelines for selecting dust collectors for use in coal mines
 0476 16 Control of respirable dust by ventilation
 0476 17 Water infusion for dust control
 0476 18 Wethead dust control
 0476 19 Control of respirable dust by improved water sprays
 0476 20 Personal protection against respirable dust
 0479 170 Interrelationships of respiratory variables of coal miners during work
 0479 234 How to prepare for shielded trailing cables
 0480 217 Dust control by water sprays and ventilation
 0481 32 Direct method determination of the gas content of coal: Procedures and results
 0481 41 Thermal degradation products of solvents and hydraulic fluids used in mining
 0481 83 High-pressure shrouded water sprays for dust control
 0481 86 Control of methane by ventilation of shafts during raise drilling
 0481 91 An investigation of the mechanics and noise associated with coal cutting
 0481 96 Smoke characteristics of coal-lined tunnel fires
 0481 99 Three Bureau of Mines optical dust probes
 0680 213 A transient dust-flame model: Application to coal-dust flames
 0681 46 The limits of flammability of pulverized coals and other dusts
- UNITED STATES BUREAU OF MINES, SEATTLE, WASHINGTON
 0363 0 Cleaning unsized fine coal in a dense-medium cyclone pilot plant
- UNITED STATES BUREAU OF MINES, SPOKANE, WASHINGTON
 0480 179 Design consideration of terrace-pit mining
 0480 186 Dragline cable removal project
 0480 191 Reducing costs for recontouring mined land

- 0580 157 Transplanting native vegetation
0580 158 Selective overburden placement
0581 70 Fine coal-refuse slurry dewatering
- UNITED STATES BUREAU OF MINES, TUSCALOOSA, ALABAMA
0180 219 Characterization of residues from selected coal conversion processes
- UNITED STATES BUREAU OF MINES, WASHINGTON, DISTRICT OF COLUMBIA
0381 32 Assessing the methane hazard of gassy coals in storage silos
- UNITED STATES CONGRESS, OFFICE OF TECHNOLOGY ASSESSMENT, WASHINGTON, DISTRICT OF COLUMBIA
0679 113 The direct use of coal: Prospects and problems of production and combustion
- UNITED STATES DEPARTMENT OF AGRICULTURE, COSHOCOTON, OHIO
0479 214 Research on the hydrology and water quality of watersheds subjected to surface mining - 1. Premining hydrologic and water quality conditions
- UNITED STATES DEPARTMENT OF AGRICULTURE, MORGANTOWN, WEST VIRGINIA
0677 176 A comprehensive agricultural research program for fluidized-bed combustion wastes
- UNITED STATES DEPARTMENT OF COMMERCE, WASHINGTON, DISTRICT OF COLUMBIA
0580 105 Occurrence and activity of iron and sulfur-oxidizing microorganisms in alkaline coal strip mine spoils. Final report
- UNITED STATES DEPARTMENT OF ENERGY, AMES, IOWA
0380 34 Oxydesulfurization of coal treated with methyl iodide - implications for removal of organic-sulfur
- UNITED STATES DEPARTMENT OF ENERGY, BARTLESVILLE, OKLAHOMA
0280 289 Hydro-treatment and biological test of SRC-II coal liquid
0281 74 Preparative liquid chromatography for fractionation of petroleum and synthetic crude oils
0281 134 Liquid chromatography on silica using mobile phases containing aliphatic carboxylic acids. II. Applications in fossil fuel characterization
- UNITED STATES DEPARTMENT OF ENERGY, GERMANTOWN, MARYLAND
0179 96 Economic evaluation of underground coal gasification
0281 197 Synfuels from coal: progress in the USA
0580 65 Consequences of increase coal utilization
- UNITED STATES DEPARTMENT OF ENERGY, GRAND FORKS, NORTH DAKOTA
0179 316 Effects of coal structure and processing conditions on organic effluents from slagging fixed-bed gasification
0181 83 Mass spectroscopic characterization of tars from the gasification of low-rank coals
0279 161 Products of liquefaction of lignite with synthesis gas by product slurry recycle
0280 300 Characterization of light oils from liquefaction of lignite
1080 169 Organic structural studies of lignite coal tars
1180 36 Western low rank coal development analysis
- UNITED STATES DEPARTMENT OF ENERGY, LARAMIE, WYOMING
1078 184 Carbon-13 NMR studies of coals and oil shales
1079 248 Carbon-13 NMR studies of coals by cross polarization and magic-angle spinning
- UNITED STATES DEPARTMENT OF ENERGY, MORGANTOWN, WEST VIRGINIA
0178 107 Economics of producing ammonia from coal by pressurized entrained and Koppers-Totzek gasification
0679 96 Coal-oil mixtures: A good idea from DOE

UNITED STATES DEPARTMENT OF ENERGY, PITTSBURGH, PENNSYLVANIA

0178 110 Oxidative pretreatment of Illinois No. 6 coal: Material and energy balances
 0179 163 Materials problems experienced at the Synthene coal-gasification pilot-plant
 0179 281 Development of a slagging cyclone gasifier for MHD applications
 0179 311 Trace element distributions in coal gasification products
 0180 200 Make olefins from syn gas
 0280 31 Stability studies of coal-derived liquids
 0280 238 Comparison of methods for the determination of asphaltenes, oils and insolubles - Part II
 0281 229 Iron content of pyrrhotites produced in continuous liquefaction units
 0281 271 Coal mineral matter catalysts in liquefaction
 0281 318 Chemical and physical aspects of refining coal-liquids
 0379 46 Chemical coal cleaning
 0381 53 Comparing two methods for removing sulfur
 0479 195 Automated guidance and control of longwall mining machines
 0679 31 Dry-cleaning coal in a fluidized-bed medium - Report of investigations
 0580 144 Recent coal-oil mixture combustion tests at PETC
 0581 61 Coal-oil mixture technology in the US
 1079 94 Solid and gaseous fuels
 1080 36 Coal-derived asphaltenes: effect of phenol content and molecular weight on viscosity of solutions

UNITED STATES DEPARTMENT OF ENERGY, WASHINGTON, DISTRICT OF COLUMBIA

0176 108 Development work for an advanced coal gasification system for electric-power generation from coal directed toward a commercial gasification generating plant, phase II, Design report
 Status of the DOE underground coal conversion program
 Catalytic coal gasification exploratory research program
 Fossil fuel economics
 Environmental development plan (EDP), Coal gasification program
 Synthesis-Gas Demonstration Plant Program, Phase I
 The role of underground coal conversion in the United-States energy future
 Department of energy's 1979 underground coal conversion program
 Low and medium-Btu coal-gasification - a status report
 Development of coalbed methane as an energy source
 Kinetics of lignite pyrolysis in fixed bed and entrained flow reactors
 A summary of erosion experience in the US Department of Energy's coal conversion plants
 Coal to gasoline via syngas
 Advances in synthetic fuels technology: progress in USA/DOE programs
 Apparatus and method for solar coal gasification
 The direction and scope of the US Department of Energy's surface coal gasification program
 Process for gasifying carbonaceous material from a recycled condensate slurry
 Preparation of a coal conversion systems technical data book
 Method and apparatus for gasifying with a fluidized bed gasifier having integrated pretreating facilities
 Coal and shale: alternative fuels for the midterm
 The Department of Energy's major project coal liquefaction program
 Advanced process development in coal liquefaction
 Refining of coal-derived syncrudes
 Disposable catalyst for coal liquefaction
 Cross-flow electrofilter and method
 High gradient magnetic beneficiation of dry pulverized coal via upwardly directed recirculating fluidization
 Coal mining and preparation research, Development and demonstration in fiscal year 1978
 Operational aids for improved dragline utilization
 Environmental Development Plan (EDP), Advanced power system program, FY1977.
 Environmental readiness document, Coal liquefaction, Commercialization Phase III planning
 Environmental readiness document, Coal gasification, Commercialization Phase III planning
 Environmental readiness document, Small atmospheric fluidized-bed combustion, Commercialization Phase III planning
 Environmental development plan coal extraction and preparation
 Environmental concerns for coal synfuel commercialization

- 0580 174 Environmental data energy technology characterizations - coal
 0581 25 A review of water quality issues associated with coal storage
 0581 89 An update of the CO//2 issue - 1981
 0677 80 Ash deposits and corrosion due to impurities in combustion gases
 0678 82 Environmental development plan (EDP). Direct combustion program
 0678 261 MHD electrical power generation: program status report
 0679 202 Coal-fired advanced electric generation
 0680 23 Status report on coal-oil mixtures and fluidized-bed research, development and demonstration
 0680 96 Catalytic iron oxide for lime regeneration in carbonaceous fuel combustion
 0680 109 Regeneration of lime from sulfates for fluidized-bed combustion
 0681 10 The USDOE'S advanced coal combustion research program
 0681 81 Coal technologies under development, applications and status of processes
 0681 153 Heat transfer to cooling coils in the splash zone of a pressurized fluidized bed combustor
 0778 29 Underground coal conversion program: Volume III Resources
 0878 21 Hydrotransport in the United-States - Progress Report
 1080 39 Volatility of fly ash and coal
 1080 194 Model structure for a bituminous coal
 1178 13 Short term coal demand modelling
 1179 33 National Energy Plan - success hinges on cooperation
- UNITED STATES DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, CINCINNATI, OHIO
 0580 107 Health hazard evaluation determination, report HE-79-43-663, Harbison-Walker Refractories, Clearfield, Pennsylvania
- UNITED STATES DEPARTMENT OF LABOR, DENVER, COLORADO
 0480 109 Design-guidelines for coal refuse piles and water, sediment, or slurry impoundments and impounding structures
- UNITED STATES DEPARTMENT OF THE INTERIOR, ALBANY, OREGON
 0179 238 Ball-valve wear tests in a coal gasifier lock-hopper simulator
- UNITED STATES DEPARTMENT OF THE INTERIOR, DENVER, COLORADO
 0179 101 Geophysical survey characterization of underground coal gasification sites near Pricetown, West-Virginia
 0479 184 Simulation of the effects of surface mining on groundwater in the Powder-River Basin
 0480 118 How to plan ground control
- UNITED STATES DEPARTMENT OF THE INTERIOR, MINNEAPOLIS, MINNESOTA
 0579 90 Inhibition of pyrite weathering by recycling of selected effluents
- UNITED STATES DEPARTMENT OF THE INTERIOR, MORGANTOWN, WEST VIRGINIA
 0177 139 Economic evaluations of intermediate-Btu-gas plants meeting the energy demands
- UNITED STATES DEPARTMENT OF THE INTERIOR, PITTSBURGH, PENNSYLVANIA
 0173 45 Catalysis of coal gasification at elevated pressure
 0274 3 Synthoil process for converting coal to nonpolluting fuel-oil
 0377 40 An overview of coal preparation
 0378 84 Research aspects of coal preparation
 0478 104 Coal mine fire and explosion prevention
 0479 70 Review of environmental monitoring systems in underground mines
 0479 82 Keep your blasting under control
 0479 156 Methane content and geology of the Hartsborne coalbed in Haskell and Le Flore Counties, Oklahoma.
 1073 15 The fate of some trace-elements during coal pretreatment and combustion
- UNITED STATES DEPARTMENT OF THE INTERIOR, SPOKANE, WASHINGTON
 0380 37 Application of thermal neutron capture-gamma ray analysis to oxidized taconite beneficiation process slurries
 0479 142 Effects of maintenance practice on wire rope life in dragline applications

UNITED STATES DEPARTMENT OF THE INTERIOR, TWIN CITIES, MINNESOTA
 0478 203 Underspill coal haulage
 0479 115 New cutting concepts for continuous miners
 0479 212 Ground vibration technology pertaining to OSM regulations

UNITED STATES DEPARTMENT OF THE INTERIOR, WASHINGTON, DISTRICT OF COLUMBIA

0376 6 District heating using coal
 0479 37 Blast designs to improve dragline stripping rates
 0479 74 Federal coal leasing
 0479 210 Blaster training and certification program under public law 95-87
 0480 29 Overview on coal mining research progress in the United States in 1979 and 1980
 0480 91 Spontaneous combustion susceptibility of U.S. coals
 0779 44 Geology, coal resources, and chemical analyses of coal from the Fruitland Formation, Kimbeto EMRIA study site, San-Juan County, New-Mexico
 1060 0 International system for classifying brown-coals and lignites and its application to American coals
 1077 103 Federal leasing: The need for a perspective

UNITED STATES DEPARTMENT OF TRANSPORTATION, TRANSPORTATION SYSTEMS CENTER, CAMBRIDGE, MASSACHUSETTS

1174 1 Energy Statistics, a supplement of the summary of national transportation statistics

UNITED STATES ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, WASHINGTON, DISTRICT OF COLUMBIA

0176 118 Some observations from temperature measurements on recent underground coal gasification experiments
 0176 123 Oxidation of coal-water slurry feed to hydrogasifier
 0177 198 Overview of ERDA - Fossil energy demonstration plant program
 0177 259 Evaluation of the B&W slag-bath gasifier
 0177 279 Materials for coal conversion and utilization, Gaithersburg, Maryland
 0277 57 Evaluation of the Synthoil process, Volume II, Status of Development
 0577 14 Environmental planning for ERDA's coal gasification technologies
 0676 28 Fossil Energy Research and Development in ERDA
 0676 30 Operational status and current trends in gas-turbines for utility applications in Europe
 0676 33 Liquid metal MHD coupled to coal-fired fluidized-bed combustors
 0677 47 Pressurized fluidized-bed pilot plant for production of electric-power using high sulfur coal
 0679 74 Commercial power-plant design development for the coal-fired combined-cycle
 1177 14 The battery energy storage test (best) facility: Its purposes and description

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OHIO

0475 6 Sediment control and surface-mining
 0478 146 Neutralization options for acid-mine-drainage control
 0576 4 The potential for using sewage sludges and compost in the mine reclamation
 0578 23 Utilization of fly-ash and coal mine refuse as a road base material
 0580 19 Environmental R & D needs for advanced power plants
 0679 61 A study of primary sulfate emissions from a coal-fired boiler with FGD

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, LAS VEGAS, NEVADA

0577 83 Mercury distribution in soil around a large coal-fired power-plant
 0579 33 Mercury residues in soil around a large coal-fired power-plant

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NORTH CAROLINA

0178 126 Control of emissions from Lurgi-coal gasification plants
 0181 108 Aerosol emissions near a coal gasification plant in the Kosovo Region, Yugoslavia
 0577 64 Impact of particulates and sulfur dioxide from coal-fired power-plants on acid-rain
 0577 84 Environmental regulations pertaining to coal utilization
 0580 23 Developments in particulate control for coal-fired power-plants
 0580 74 Fourier transform infrared spectroscopy for inorganic compound speciation
 0580 123 Process evaluation and environmental assessment of coal-fired utility boiler No./x control technologies
 0580 150 Environmental assessment of the dual alkali FGD system applied to an industrial boiler firing coal and oil
 0678 215 The measurement of the sulfuric-acid and sulfate content of particulate matter resulting from the combustion

- of coal and oil
- 0679 181 Heat generation of spent bed materials from atmospheric fluidized-bed combustion of coal
- 0680 9 Combined flue gas desulfurization and water treatment in coal-fired power-plants
- 0680 115 Flue gas desulfurization. Developments in particulate control for coal-fired power plants
- 0680 149 Technical and economic assessment of NO_x/x flue gas treatment technology
- 0681 65 Correlation between light attenuation and particulate concentration of a coal-fired power plant emission
- UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DISTRICT OF COLUMBIA
- 0579 115 Sulfur emission: control technology and waste management
- 0581 21 Trends in Benzo(a)Pyrene, 1966-77
- 1177 6 The utilization of solid-wastes for the generation of electric-power
- UNITED STATES FISH AND WILDLIFE SERVICE, ANN ARBOR, MICHIGAN
- 0581 80 Handling of combustion and emission-abatement wastes from coal-fired power plants: Implications for fish and wildlife resources
- UNITED STATES FISH AND WILDLIFE SERVICE, KEARNEYSVILLE, WEST VIRGINIA
- 0579 107 Rapid procedure for assessment of surface mining impacts to aquatic life
- UNITED STATES GENERAL ACCOUNTING OFFICE, WASHINGTON, DISTRICT OF COLUMBIA
- 1178 33 Social and economic impacts of increased coal production
- UNITED STATES GEOLOGICAL SURVEY, COLUMBUS, OHIO
- 0180 294 Abandoned subsurface coal mines as a source of water for coal conversion in eastern Ohio
- UNITED STATES GEOLOGICAL SURVEY, DENVER, COLORADO
- 0480 114 Coal mine subsidence and fires in the Sheridan, Wyoming, area
- 0580 70 Chemical character and practical pre-mining sampling needs, Fort Union formation coal overburden rock
- 0780 15 Deltaic coals of the ferron sandstone member of the Mancos Shale: predictive model for cretaceous coals of the western interior
- 0780 18 Relation of intraformational faults to fluvial sedimentation and coal-bed discontinuity, Raton Formation, Colorado and New-Mexico
- 0780 19 Comparison of depositional models of tertiary and upper Cretaceous coal-bearing rocks in some western interior basins of the United-States
- 0780 20 Formation of clinker by natural burning of coal beds in the Powder-River-Basin, Wyoming
- 0780 21 Geochemistry of clinker, naturally burning coal, and mine fires
- 0780 29 Magnetic location of concealed igneous dikes cutting coal measures near Walsenburg, Colorado
- 1080 210 Chemical analyses of coal from Emery and Ferron sandstone members of Mancos shale, Henry Mountains Field, Wayne and Garfield Counties, Utah
- UNITED STATES GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA
- 0178 260 A summary of the geology at the underground coal gasification site, Pricetown, West-Virginia
- 0780 27 Stratigraphic significance of radiometric ages for Eocene coals in western Washington
- UNITED STATES GEOLOGICAL SURVEY, PITTSBURGH, PENNSYLVANIA
- 0481 5 Horizontal anisotropy determined by pumping in two Powder River Basin coal aquifers, Montana
- UNITED STATES GEOLOGICAL SURVEY, RESTON, VIRGINIA
- 0178 353 Water usage in an integrated coal gasification plant
- 0179 114 Resource and development potential maps of federal coal
- 0382 0 Ferromagnetic and superparamagnetic contamination in pulverized coal
- 0779 38 Geologic controls on element concentrations in the Upper Freeport coal bed
- 0780 22 Application of automated image analysis to coal petrography
- 0781 21 Determination of kaolinite in coal by infrared spectroscopy - a comment
- 0782 6 Properties, origin and nomenclature of rodlets of the inertinite maceral group in coals of the central Appalachian basin, U.S.A.
- 1079 197 Distribution of elements in coal macerals and minerals: Determination by electron microprobe

- 1079 223 Modes of occurrence of selected trace elements in several Appalachian coals
 1081 81 Electrolytic oxidation of anthracite
- UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON, DISTRICT OF COLUMBIA
 1058 0 The international systems of hard-coal classification and their application to American coals
- UNITED STATES NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, PASADENA, CALIFORNIA
 0280 281 Autocatalytic coal liquefaction process
- UNITED STATES NATIONAL MUSEUM, WASHINGTON, DISTRICT OF COLUMBIA
 0780 14 Major factors influencing the distribution of cretaceous coal in the western interior United-States
- UNITED STATES STEEL CORPORATION, MONROEVILLE, PENNSYLVANIA
 0181 252 Desulfurization of hot coal-derived gas by calcined dolomite
 0377 54 Desulfurization and sulfidation of coal and coal-char
 0377 55 Fluid-bed carbonization/desulfurization of Illinois-coal by the clean-coke process: PDU studies
 0380 38 Use of pressure filter to eliminate refuse slurry disposal pond
 0479 93 Venturis ventilate and control dust
 0681 64 Correlation between ash-fusion temperatures and ternary equilibrium phase diagrams
 0681 74 Investigation of the high-temperature behaviour of coal ash in reducing and oxidizing atmospheres
 0880 38 The use of chemical tracers to detect the presence of FCA on treated coal
 0880 43 Application of freeze-conditioning agents to coal and other minerals
 1078 176 Correlated Moessbauer-SEM studies of coal mineralogy
 1079 153 Selection of coals for coke making
 1082 36 Diffuse reflectance infrared spectrometry of powdered coals
- UNITED STATES STEEL CORPORATION, PITTSBURGH, PENNSYLVANIA
 0279 232 Solid SRC - a building block
- UNITED STATES SYNTHETIC FUELS CORPORATION, USA
 0181 185 Coal conversion readiness
- UNIVERSAL OIL PRODUCTS, DES PLAINES, ILLINOIS
 0281 61 Hydrodenitrogenation of SRC-I recycle solvent: Catalyst screening and reactivity of nitrogen heterocycles
- UNIVERSIDAD DEL PAIS VASCO, BILBAO, SPAIN
 1081 53 Calculation of kinetic parameters for the deactivation of heterogeneous catalyst
- UNIVERSIDAD DEL ZULIA, MARACAIBO, VENEZUELA
 0279 178 Thermal stability of asphaltenes
- UNIVERSIDADE ESTADUAL DE CAMPINAS, SAO PAULO, BRAZIL
 1082 79 Characterization of Brazilian high-ash coals by small-angle x-ray diffraction methods
- UNIVERSITA P. LE V. TECCHIO, NAPOLI, ITALY
 0679 143 Calculation of carbon load and axial profiles of oxygen concentration in the bed of a fluidized combustor
- UNIVERSITE DE LIEGE, LIEGE, BELGIUM
 0281 203 Heat transfer phenomena in trickle-bed reactors
- UNIVERSITE DE NANCY, CEDEX, FRANCE
 0282 146 Performance indices for coal liquefaction solvents
- UNIVERSITE DE SHERBROOKE, SHERBROOKE, QUEBEC
 0281 50 Development of a testing facility for direct hydrogenation of Canadian low rank coals
 0281 338 Development of a testing facility for direct hydrogenation of Canadian low rank coals
 0281 345 Pyrolysis of high volatile bituminous Atlantic coals as a first step in a dual utilization strategy for the

production of liquid hydrocarbons and semicoke

- UNIVERSITE LIBRE DE BRUXELLES, BRUSSELS, BELGIUM
 0179 222 Construction of an isothermal balance with two symmetrical pans for operation under pressure
 0181 41 Pyrolysis of coal and iron oxides mixtures. 2. Reduction of iron oxides
 0280 39 Production of light aromatics from coal hydrogenates
 0281 24 Behavior of pyrite during hydrogenation of graphite at atmospheric pressure
 0282 56 Hydropyrolysis of a high-sulphur-high-calcite Italian Sulcis coal. 2. Importance of the mineral matter on the sulphur behaviour
 0282 60 Hydropyrolysis of a high-sulphur-high-calcite Italian Sulcis coal. 1. Hydropyrolysis yields and catalytic effect of the calcite
 0282 145 Thermogravimetric study of the devolatilization of hydropyrolysis chars
 0282 161 Low-temperature hydropyrolysis of coal under pressure of H₂/2-CH₄/4 mixtures
 0680 19 Preliminary hydropyrolysis of coal to be burned in power-plants
 0780 8 Rare anthropogenic and natural particles suspended in deep ocean waters
 1080 0 Pyrolysis of coal and iron-oxides mixtures. 1: Influence of iron-oxides on the pyrolysis of coal
 1081 195 Pyrolysis-gas chromatography-mass spectrometry of tricyclic hydroaromatic compounds from coal hydrogenates
- UNIVERSITY COLLEGE, CARDIFF, UNITED KINGDOM
 0482 73 The re-use of gateroads serving retreat faces at Betws Colliery
 1181 30 British coal and world demand
- UNIVERSITY COLLEGE, LONDON, UNITED KINGDOM
 0582 11 A model for desulphurisation with limestone in a fluidised coal combustor
 0678 115 Mixing and segregation of a small proportion of large particles in gas fluidized-beds of considerably smaller ones
- UNIVERSITY OF ABERDEEN, ABERDEEN, UNITED KINGDOM
 1181 33 Market aspects of an expansion of the international steam coal trade
- UNIVERSITY OF AKRON, AKRON, OHIO
 0281 72 Simulation of flow through the preheater of a coal liquefaction reactor
- UNIVERSITY OF ALABAMA, UNIVERSITY, ALABAMA
 0179 118 Reaction of coke particles with air: Effect of diffusion on reaction rate
 0180 183 Evidence indicating metal clusters are catalysts in organic reactions
 0279 62 Nitrogen bases in solvent-refined-coal
 0378 58 Recovery of fine-size waste coal
 0379 127 Recovering fine-size coal from Alabama washer wastes using humphreys spiral
 0478 87 Site selection and design for minimizing pollution from underground coal mining operations
 1052 0 Influence of certain inorganic matter, fusian and dull-coal on the free-swelling-index of coal
 1079 79 Electron nuclear double resonance signals from three ingredients of coal
- UNIVERSITY OF ALASKA, ANCHORAGE, ALASKA
 0578 78 Comprehensive bibliography and index of environmental information for the Beluga-Susitna, Nenana and Western Arctic Coal Fields, Volume II
- UNIVERSITY OF ALASKA, FAIRBANKS, ALASKA
 0780 27 Stratigraphic significance of radiometric ages for Eocene coals in western Washington
- UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA
 0282 156 The role of acid-base sites in the preparation of Al₂O₃/20//3 supported platinum catalysts
 0380 23 Interrelationship between bond and hardgrove grindabilities
 0382 16 SPOC and the Canadian coal industry
 0479 59 Hydromonitor design and operating parameters in hydraulic mining
 0479 64 Experience with mine roadway steel arch supports in the United-Kingdom
 0479 71 Hydraulic techniques in underground mining

- 0479 98 Hydraulic mining; possible method for Rocky-Mountain coal
 0479 242 Stability of coal seam strata undermined by room and pillar operations
 0480 43 Canada coal mining industry
 0480 50 Philosophy of hydraulic mining
 0480 174 Characteristics of western Canadian coal seams and their effect on mine design
 0480 211 Effect of coal seam stability on hydraulic mine design
 0481 58 Coal mine roadway stability in relation to lateral tectonic stress - Western Canada
 0482 17 Studies of gas sorption and emission on Canadian coals
 0581 31 Long-term leachability of selected elements from fly ash
 0779 11 Influence of geological factors on coal mine design in the plains region
 0779 32 Mining developments in Alberta province, Canada
 0780 12 A Rb/Sr age for the Cretaceous-tertiary boundary (Z coal), Hell Creek, Montana
 0780 39 Rupturing criteria of coal bearing strata, W. Canada
 0781 20 Methods for predicting size degradation of Western Canadian coals
 0781 22 Effect of sub-coal strata on coal pillar stability
 0781 23 Deep coal resources of the interior plains, estimated from petroleum borehole data
 1070 1 On the agrobiological activity of oxidatively ammoniated coal
 1080 47 Analysis of Cold Lake bitumen hydrocarbons by combined GLC-field ionization mass-spectrometry and GLC-electron impact mass-spectrometry
 1081 44 E.S.R. measurements on asphaltene and resin fractions from various separation methods
 1081 219 On evidence for a systematic molecular chemistry of coal
 1180 16 Canadian research in the areas of coal exploration, mining and preparation
- UNIVERSITY OF AMSTERDAM, AMSTERDAM, NETHERLANDS
 0181 254 Catalyst structure and mechanism in carbon gasification reactions: influence of preparation of the Ni and K catalysed hydrogenative and steam gasification
- UNIVERSITY OF ARIZONA, TUCSON, ARIZONA
 0479 52 Optimization of coal recovery from open pits
 0479 258 Coal mine reclamation problems and practices in the Southwestern United-States
 0578 41 Pollutant control through staged combustion of pulverized coal
 0578 109 An analysis of combustion within surface mine spoils and of its consequent effects on the environment and reclamation practices - dissertation
 0579 72 A systems study of desulphurization strategy in relation to the sulphur and ash content of coking coals - dissertation
 0580 60 Fundamental coal combustion mechanisms and pollutant formation in furnaces
 0580 129 Predicting sediment yield from strip-mined land
 0679 159 Pollutant control through staged combustion of pulverized coal - final report May-Oct. 1978
- UNIVERSITY OF ARKANSAS, FAYETTEVILLE, ARKANSAS
 0881 41 The effects of coal slurry pipelining of eastern coal on water quality
 0882 14 Water quality aspects of coal slurry pipelining - a literature survey
- UNIVERSITY OF ASTON, BIRMINGHAM, UNITED KINGDOM
 0673 18 Small scale applications of fluidized-bed combustion and heat-transfer
 0679 107 A technology for helping to alleviate the energy problem: Fluidized-bed combustion and heat-transfer
 0681 21 A coal burning rotating fluidized bed combustor operating at atmospheric pressure
 1081 89 Infrared spectra of humodetrinite from the Fortuna-Garsdorf mine
 1180 15 Energy perspectives after oil and natural gas
- UNIVERSITY OF BAGHDAD, BAGHDAD, IRAQ
 0780 6 Sedimentology, geochemistry and structure of the Al-Tar area
- UNIVERSITY OF BERLIN, BERLIN, GERMANY
 0281 70 On the relevance of mass transfer limitations in the Fischer-Tropsch slurry process

UNIVERSITY OF BIRMINGHAM, BIRMINGHAM, UNITED KINGDOM

- 0580 28 Alpha-emitters in the environment, 11. Man-made activity
0678 132 Gas convective heat-transfer to packed and fluidized-beds

UNIVERSITY OF BONN, BONN, GERMANY

- 1082 62 Pyrolysis-field desorption mass spectrometry of coal

UNIVERSITY OF BRADFORD, BRADFORD, WEST YORKSHIRE, UNITED KINGDOM

- 0281 150 Analysis of fossil-fuel extracts by nmr spectroscopy
0282 6 Cyclic alkanes as geochemical markers in coal liquefaction products
0678 117 Slugging in beds of large particles
1079 88 Paraffinic hydrocarbons from supercritical-gas extracts of coal as organic geochemical markers

UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER, BRITISH COLUMBIA

- 0180 16 Coal gasification in a spouted bed
0181 104 Gasification of coal in a spouted bed
0181 138 Spouted bed gasification of Western Canadian coals
0182 4 Fluidized-bed gasification of some Western Canadian coals
0182 109 Comparison of coal gasification in fluidized and spouted beds
0582 24 Anodic oxidation of phenolics found in coal conversion effluents
0779 15 Depositional setting and coal petrology of Tulameen coalfield, South-Central British-Columbia
0780 5 Kaolinite, smectite and k-rectonite in bentonites: relation to coal rank at Tulameen, British-Columbia
0782 0 Oxidation states in surface and buried coal from the Fording River Deposit
0782 2 The effect of shearing on the quality of some coals in the southeastern Canadian Cordillera
0879 16 Model for evaluating alternate routes for exporting bulk commodities from an inland location to overseas markets
0980 2 Tertiary coal resources, Eastern Arctic Archipelago
1080 2 Hot-compaction behaviour of coals
1081 88 Influence of char porosity on strengths of hot-briquettes
1180 9 UBC Laboratory first of its kind in Canada to provide complete coal research facilities

UNIVERSITY OF CAGLIARI, CAGLIARI, ITALY

- 0381 100 Beneficiation methods for coal desulphurization
0580 25 Influence of catalysts on SO₂ control in coal combustion with limestone

UNIVERSITY OF CALGARY, CALGARY, ALBERTA

- 0280 52 Bitumen separation for experimental use
0379 60 Metal recovery from coal-ash via chlorination - a thermodynamic study
0580 120 The role of organic compounds in salinization of plains coal mining sites
0580 200 Environmental factors in the coal industry
0682 4 High-temperature chlorination of coal ash in a fluidized bed. 1. Recovery of aluminum
0682 5 High-temperature chlorination of coal ash in a fluidized bed. 2. Recovery of iron, silicon, and titanium
0682 32 Stirling engines for power production with coal and solid waste
1080 81 Distribution of nitrogen in fractions of Athabasca bitumen

UNIVERSITY OF CALIFORNIA, BERKELEY, CALIFORNIA

- 0178 411 Diffusion of a chemical species through a viscous boundary layer
0179 198 Vapor pressures of high-molecular-weight hydrocarbons
0179 216 Thermodynamic predictions of the behavior of Fe-Cr-Al alloys in coal gasifier environments
0179 229 Design of steels for coal gasification pressure vessels
0179 302 Heavy hydrocarbons from coal gasification vapor pressures and dew points - dissertation
0180 222 Phase-equilibria for design of coal-gasification processes, dew points of hot gases containing condensable tars
0180 247 In-situ real time measurement of molecules in a coal gasification atmosphere
0277 83 Coal liquefaction studies using phosphoric-acid at moderate temperatures and pressures
0279 65 Charge and filtration of solvent-refined-coal suspensions
0279 145 Kinetics and mechanics of metal carbonyl-catalyzed hydrogenation of aromatic hydrocarbon models for coal

- constituents, PhD thesis
- 0279 165 Coal conversion catalysis using zinc-chloride in organic media - dissertation
- 0280 28 Effects of Lewis-acid-catalysts on the cleavage of aliphatic and aryl-aryl linkages in coal-related structures
- 0280 107 Multiphase reactor modeling for zinc chloride catalyzed coal liquefaction
- 0280 114 Coal liquefaction catalysis by zinc chloride melts in combination with organic solvents
- 0280 234 High-yield coal conversion in a zinc chloride/methanol melt under moderate conditions
- 0280 340 The effect of zinc chloride on organic solvents and compounds modeling certain bonds in coal
- 0280 346 Low temperature coal liquefaction by zinc chloride and tetralin
- 0281 93 Conversion of solvent-refined coal to liquid products in the presence of Lewis acids
- 0281 126 Evidence for Hydrogen/Deuterium isotope effects on Fischer-Tropsch synthesis over supported ruthenium catalysts
- 0281 204 Effects of metal-support interactions on the synthesis of methanol over palladium
- 0281 313 The mechanism and kinetics of Fischer-Tropsch synthesis over supported ruthenium catalysts - dissertation
- 0282 147 Effects of Lewis acid catalysts on the hydrogenation and cracking of two-ring aromatic and hydroaromatic structures related to coal
- 0380 39 Oil agglomeration offers technical and economical advantages
- 0381 120 Removal of organic sulfur from coal
- 0480 51 Evaluation of collapse potential over abandoned room and pillar mines
- 0482 45 Strategic planning in coal
- 0677 210 The furnace combustion and radiation characteristics of methanol and a methanol/coal slurry
- 0677 249 Combustion of coal in an opposed flow diffusion burner
- 0679 175 The combustion of carbon, coal and coal related fuels in an opposed flow diffusion flame burner - dissertation
- 0881 50 Wear resistant alloys for coal handling equipment - Final Technical Report, October 1, 1977-March 31, 1981
- 1077 31 Interaction of organic solvents with sub-bituminous coal below pyrolysis temperature
- 1079 137 Rheology of very concentrated coal suspensions
- 1079 174 Scanning electron microscopy study of the solubilization of coal under mild conditions
- 1080 29 Effects of zinc chloride on sulfur removal from coal-related structures
- 1080 116 Carbon-carbon bond forming processes mediated by organotransition metal complexes
- 1080 144 Comparative analysis of coal fly ash by light and electron microscopy
- 1081 92 Estimation of vapor pressures of heavy liquid hydrocarbons containing nitrogen or sulfur by a group-contribution method
- UNIVERSITY OF CALIFORNIA, DAVIS, CALIFORNIA
- 0282 123 Effect of liquid wetting on catalyst effectiveness in trickle-bed reactors
- 0580 68 Elemental distribution in coal fly ash particles
- 0581 38 Crystalline components of stack-collected, size-fractionated coal fly ash
- 0679 104 Chemical studies of stack fly-ash from a coal-fired power-plant
- 1079 106 Filtration studies with neutron-activated coal fly-ash
- 1079 109 Room-temperature dissolution of coal fly-ash for trace metal analysis by atomic-absorption spectrometry
- 1079 119 Polynuclear aromatic hydrocarbons associated with coal combustion
- 1080 144 Comparative analysis of coal fly ash by light and electron microscopy
- UNIVERSITY OF CALIFORNIA, IRVINE, CALIFORNIA
- 0681 148 Observation of the behavior of coal particles during thermal decomposition
- 1076 0 Moisture in coal and significance of accurate determination of oxygen
- 1076 18 Oxygen in the U.S. Bureau of Mines' coal-ash, U.S. Bureau of Standards' coal fly-ash reference material and low-temperature coal-ash. A simplified approach to the analysis of ash and mineral matter in coal
- 1076 33 Material balance in coal 1. Material balance and oxygen stoichiometry of six coals from the Wyodak bed, Campbell County, Wyoming
- UNIVERSITY OF CALIFORNIA, LIVERMORE, CALIFORNIA
- 0180 231 Hoe Creek II Revisited: Boundaries of the gasification zone
- 0180 246 An introduction to underground coal gasification

- UNIVERSITY OF CALIFORNIA, LOS ALAMOS, CALIFORNIA
 0575 5 Trace element characterization and removal/recovery from coal and coal wastes, July 1 - September 30, 1975
- UNIVERSITY OF CALIFORNIA, LOS ALAMOS, NEW MEXICO
 0178 410 Combined CO//2-O//2 underground pyrolysis-gasification of southwestern coals, Quarterly Report, July-Sept. 1977
- 0180 248 Flash pyrolysis and gasification of coal through laser heating
 0181 175 Flash pyrolysis of coal through solar heating
 0280 210 An economic parametric analysis of the synthetic fuel produced by a fusion-fission complex
 0280 264 Synfuels from Coal: Lessons from South-Africa
 0575 6 Trace element characterization and removal/recovery from coal and coal wastes, October 1-December 31, 1975
 0576 37 Environmental contamination from trace-elements in coal preparation wastes - A literature review and assessment
- 0577 87 Trace element characterization and removal/recovery from coal and coal wastes, October 1-December 31, 1976
 0578 119 Trace element characterization and removal/recovery from coal and coal wastes
 0579 114 The assessment of trace element contamination of the drainages from coal cleaning wastes
 0580 126 An evaluation of fast response aerosol mass monitors
 0580 133 Trace element characterization and removal from coal and coal wastes
 0581 58 Spectroscopy and reaction kinetics of HS radicals
- UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIFORNIA
 0180 20 Synfuels processing technology
 0180 170 The effect of preoxidation on the corrosion of some alloys in coal chars and sulfur vapor
 0180 174 Mechanism of corrosion of structural materials in contact with coal chars in coal gasifier atmospheres - final report
- 0380 130 The role of closo-nido tautomerism in rhodacarbonane catalysis
 0578 42 Water-pollution control for coal slurry pipelines, Final report
 0578 91 Coal slurry-pipelines: The water issues
 0580 91 Development of a cost comparison model for various coal desulfurization options - dissertation
 1078 51 Differential scanning calorimetry of coal
- UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIFORNIA
 0581 30 Trace metals in contaminated waters
- UNIVERSITY OF CALIFORNIA, SAN DIEGO, CALIFORNIA
 0180 145 Research needs for coal gasification and coal liquefaction
 0680 212 Laser-initiated combustion of single coal particles in quiescent oxygen environments
- UNIVERSITY OF CAMBRIDGE, CAMBRIDGE, UNITED KINGDOM
 0261 0 Turbulent heat transfer in pseudoplastic non-newtonian fluids
 0680 66 The temperature of coke particles in a fluidised combustor
- UNIVERSITY OF CAPE TOWN, CAPE TOWN, SOUTH AFRICA
 0679 80 Potential of fluidized-bed combustion for industrial steam raising in South-Africa
- UNIVERSITY OF CHICAGO, CHICAGO, ILLINOIS
 0279 191 Coal alkylation reaction. The characteristics of the alkylation reactions and products
 0280 350 Coal anion structure and chemistry of coal alkylation - Final Report for period March 1, 1979 to February 29, 1980
- 0281 261 The alkylation of coal
 0282 18 Aspects of the chemistry of donor solvent coal dissolution. The hydrogen-deuterium exchange reactions of tetralin-d//12 with Illinois-No-6 coal, coal products and related compounds
 0282 150 Reductive alkylation of Illinois No. 6 coal in liquid ammonia
 1082 12 The reductive alkylation of Illinois No. 6 coal. Factors governing the reductive alkylation reaction in ethereal solvents

- UNIVERSITY OF CHILE, SANTIAGO, CHILE
0281 111 Study of the treatment of subbituminous coals by NaOH solutions
- UNIVERSITY OF CINCINNATI, CINCINNATI, OHIO
0279 13 Preliminary industrial hygiene characterization program for the Bruceton Liquefaction facility. Final Report
0281 94 Solubilization of Illinois bituminous coal: the critical importance of methylene group cleavage
0578 108 Emissions from a coal-fired power plant: a material balance study of selected volatile trace elements - dissertation
0581 41 A new approach for erosion prediction due to fly ash
1080 11 Study of metals erosion in high temperature coal gas streams
- UNIVERSITY OF COLORADO, BOULDER, COLORADO
0180 259 A water-influx model for UCG with spalling-enhanced drying
0181 39 Modeling a low pressure steam-oxygen fluidized bed coal gasifying reactor
0181 163 The influence of jetting-emulsion mass and heat interchange in a fluidized bed coal gasifier
0181 229 An overview of underground coal gasification - a comparison of modeling studies with field test data
0182 28 The pyrolysis of a Wyoming coal in different nonreactive atmospheres
0182 90 A model for roof spalling and its application to predicting cavity shape for the Hanna III UCG field test
0182 93 Fundamental research needs in underground coal gasification
0478 308 Analytical bases for electromagnetic sensing of coal properties - final report
1176 3 A total present worth economic comparison of coal and nuclear fuel energy alternatives
1180 25 Oil and other energy resources for development: The Indonesian case
- UNIVERSITY OF CONNECTICUT, STORRS, CONNECTICUT
0175 83 Kinetics of the activated carbon-steam reaction
0178 143 The transient method applied to the methanation and Fischer-Tropsch reactions over a fused iron catalyst
0179 147 Electrochemical-gasification of coal (Investigation of operating conditions and variables)
0179 293 Electrochemical route to coal gasification and its technological implications
0180 17 Simulation of coal conversion reactor environments
0180 33 Electrochemical gasification of coal, simultaneous production of hydrogen and carbon-dioxide by a single reaction involving coal, water and electrons
0180 160 Consideration of electrodes and electrolytes for electrochemical gasification of coal by anodic oxidation
0181 57 Electrochemical oxidation of coal
0181 213 Electrochemical coal gasification - operating conditions, variables, and practical implications
0278 86 Liquid from carbon monoxide and hydrogen gas for energy-storage
1081 237 Anodic depolarization by coal lowers electric energy consumption during electrodeposition of metal
- UNIVERSITY OF D'SALAAM, DAR ES SALAAM, TANZANIA
1181 17 Coal supply south of the Sahara
- UNIVERSITY OF DATAL, DURBAN, SOUTH AFRICA
0678 114 The flow of fine, dense solids down a vertical standpipe
- UNIVERSITY OF DELAWARE, NEWARK, DELAWARE
0177 131 Modeling and analysis of moving-bed coal gasifiers, Volume 1
0178 120 Modeling and analysis of moving-bed coal gasifiers, Volume 2
0179 179 Liquefied coal by hydrogenation
0179 224 Transient behavior of moving-bed coal gasification reactors
0276 58 Kinetics and mechanism of desulfurization and denitrogenation of coal-derived liquids. Annual report, June 1975 - June 1976
0279 103 Process and catalyst needs for hydrodenitrogenation
0279 172 Catalyst deactivation in the hydroprocessing of coal-derived liquids - dissertation
0280 182 Polymer-bound trinuclear metal cluster catalysts
0280 202 Regeneration of metallic catalysts
0280 258 Development of unique catalysts for hydrodenitrogenation of coal-derived liquids
0280 301 Catalyst deactivation in hydrotreating coal-derived liquids
0282 114 Literature review of toxicological properties of petroleum and coal-derived oil products

- 0282 190 Catalytic concepts in coal conversion
0380 21 A corresponding states equation for saturated liquid densities. II. Applications to the calculation of swelling factors of carbon dioxide crude oil systems
- UNIVERSITY OF DENVER, DENVER, COLORADO
0581 66 Precipitation variability and surface-mine reclamation in the Green, Powder and San Juan River Basins
1078 124 Spontaneous combustion liability of sub-bituminous coals: Development of a simplified test method for field lab/mine applications
- UNIVERSITY OF DUISBURG, DUISBURG, GERMANY
0180 201 Possibilities and state of development of nuclear coal gasification processes
- UNIVERSITY OF DURHAM, DURHAM, UNITED KINGDOM
0279 52 Fine-grained colliery discard and its susceptibility to liquefaction and flow under cyclic stress
0281 223 Analysis of anilines in coal-derived based fractions by Fluorine-19 NMR of hexafluoroacetone adducts
1082 17 Estimation of oxygen group concentrations in coal extracts by nuclear magnetic resonance spectrometry
- UNIVERSITY OF FLORIDA, GAINESVILLE, FLORIDA
0278 219 Synthesis of kinetic structure of reaction mixtures of irreversible first-order reaction
0281 250 Molecular thermodynamics of liquids containing supercritical compounds
0680 94 Coal burning issues: Atmospheric modifications
- UNIVERSITY OF GENEVA, GENEVA, SWITZERLAND
1082 21 Trace element content of northern Ontario peat
- UNIVERSITY OF GEORGIA, ATHENS, GEORGIA
0281 2 Effects of normalization on feature selection in pyrolysis gas chromatography of coal tar pitches
- UNIVERSITY OF GLASGOW, GLASGOW, UNITED KINGDOM
0578 34 Chemical variation and vegetation distribution of a coal waste tip
- UNIVERSITY OF GUELPH, GUELPH, ONTARIO
1082 59 Evaluation of the quantitative reliability of the carbon-13 CP/MAS technique for the analysis of coals and related materials
- UNIVERSITY OF HANNOVER, HANNOVER, GERMANY
0179 211 Mass transfer in the liquid-phase Fischer-Tropsch synthesis
0280 165 Fischer-tropsch process alternatives hold promise
0281 70 On the relevance of mass transfer limitations in the Fischer-Tropsch slurry process
0281 177 A further note on mass transfer limitations in the Fischer-Tropsch slurry process
0282 116 Fischer-Tropsch synthesis in the slurry phase on Mn/Fe catalysts
0479 136 Dust entrainment in a shock-induced, turbulent air flow
- UNIVERSITY OF HELSINKI, HELSINKI, FINLAND
1081 142 Electron momentum distribution and charge transfer study of FeAl, CoAl, and NiAl
- UNIVERSITY OF HOUSTON, HOUSTON, TEXAS
0178 135 Synthesis of fatty acids by a closed system Fischer-Tropsch process
0178 310 Heat-transfer in a fluidized countercurrent bed, Annual report, July 1977 - July 1978
0179 200 Studies in char gasification - 1. A lumped model
0179 201 Studies in char gasification - 2. The Davidson-Harrison two-phase model of fluidization
0179 202 Studies in char gasification - 3. The combustion zone
0179 203 Studies in char gasification - 4. Multi-stage char gasifier
0179 204 Studies in char gasification - 5. Ash recirculation model
0180 59 Single particle char gasification model
0180 277 Catalytic coal gasification - Part 1: mechanism of the reaction of CO//2 with char
0180 279 Pyrolysis of the polymer coal: structure and kinetics

CORPORATE AUTHOR INDEX

- 0182 115 Char gasification: particle model comparison in a stirred tank reactor
- 0274 15 Aggregation of many coupled consecutive first order reaction
- 0278 72 The kinetics of coal liquefaction in a hydrogen donor solvent
- 0279 48 Thermodynamics of the transformations of oxygen- and sulfur-containing functional groups during coal liquefaction in hydrogen and hydrogen-donor
- 0281 291 Filtering coal liquids: Clogging phenomena in the filtration of liquefied coal
- 0581 4 Sulfur pollution from coal combustion. Effect of the mineral components of coal on the thermal stabilities of sulfated-ash and calcium-sulfate
- 0672 2 Analysis of activation energy of grouped parallel reactions
- 0681 112 Fluidized bed char combustion diffusion limited models
- 0682 34 Fluidized bed char combustion kinetic models
- 1078 183 The rate and the mechanism of the reactions of hydrogen sulfide with the basic minerals in coal
- 1079 69 Evaluate sulfur in coal
- 1079 122 The rate and the fundamental mechanisms of the reaction of hydrogen- sulfide with the basic minerals in coal
- 1079 196 Data on the distribution of organic sulfur functional groups in coal

UNIVERSITY OF IDAHO, MOSCOW, IDAHO

- 0179 189 Monolith catalyst favored for methanation
- 0279 215 Applied Fischer-Tropsch kinetics for a flame sprayed iron catalyst
- 0677 148 The effect of bubble behaviour on the scale-up of fluidized-bed heat-exchanger. Final Report

UNIVERSITY OF ILLINOIS, CHICAGO, ILLINOIS

- 0180 3 Agglomeration of ash in fluidized-bed gasification of coal by steam-oxygen (or air)mixture
- 0180 151 Single particle gas-solid reactions and their application to modeling of fluidized-bed coal combustors and ash agglomeration - dissertation
- 0182 118 Coal gasification construction materials: an overview
- 0479 129 Coal dust flames: A review and development of a model for flame propagation
- 0578 101 Energy utilization and environmental health: Coal hydrogenation evaluation
- 0581 54 The formation of inorganic particulates by homogeneous nucleation in gases produced by the combustion of coal
- 0677 202 Fluidized-bed modeling studies at University of Illinois at Chicago Circle
- 0678 60 Surface ignition of coal and other fuel particles in radiative and diffusive environment
- 0678 127 A mechanistic model applicable to coal combustion in fluidized-beds
- 0680 211 Heat transfer between a horizontal tube and a gas-solid fluidized bed
- 1080 7 Oxidative transformations of polycyclic aromatic hydrocarbons absorbed on coal fly ash
- 1178 36 Alternative fuel utilization

UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS

- 0179 306 A steam process for the gasification of coal - dissertation
- 0179 340 Overview of nonelectrical applications of fusion
- 0280 209 Alumina-supported tungsten- and molybdenum-trisulfide clusters as carbon monoxide hydrogenation catalysts
- 0580 85 Resistance to photochemical decomposition of polycyclic aromatic hydrocarbons vapor-adsorbed on coal fly ash
- 0580 102 Sorption properties of sediments and energy-related pollutants
- 0581 46 Nonphotochemical decomposition of fluorine vapor-adsorbed on coal fly ash
- 0682 8 Analysis of fly ash produced from combustion of refuse-derived fuel and coal mixtures
- 1080 13 Radiation properties for polydispersions: application to coal
- 1081 98 Sulfide crystals in coal

UNIVERSITY OF IOWA, IOWA CITY, IOWA

- 0581 57 A low cost method of reclaiming strip-mined land in Iowa to agriculture
- 1081 217 Morphological analysis of selected coal macerals

UNIVERSITY OF KANSAS, LAWRENCE, KANSAS

- 0777 0 Kansas Geological Survey Research and Development of a Five-year Plan

UNIVERSITY OF KARLSRUHE, KARLSRUHE, GERMANY

- 0179 190 Trends in research and development of coal conversion to liquid fuels and basic chemicals in Europe
 0280 349 Catalysts and relations of selectivity for the Fischer-Tropsch-Synthesis - Final Report
 0281 341 Selectivity of the Fischer-Tropsch CO-hydrogenation
 0779 21 Approximate diffraction theory for transparent half-planes with application to seismic-wave diffraction at coal seams
 1080 69 Rheological properties of pitches and bitumina up to temperatures of 500-degrees-C

UNIVERSITY OF KENTUCKY, LEXINGTON, KENTUCKY

- 0177 232 Surface structure and mechanisms of gasification catalyst deactivation. Annual report, February 1976 - January 1977
 0178 124 Gas composition calculation for the in-situ gasification of thin seams and the approach to modeling
 0178 221 Surface structure and mechanisms of gasification catalyst deactivation, Annual Report, Feb. 1977 - Jan. 1978
 0179 0 The cost of hydrogen from coal
 0179 218 Underground gasification for unrecoverable East-Appalachian coals
 0179 234 A mass and energy balance of a Wellman-Galusha gasifier
 0179 275 High temperature sulfidation of six alloys
 0179 345 The relation between metallurgical microstructure and the resistance to hydrogen embrittlement in coal gasifier ferrous alloys
 0180 79 Generation of clean low-Btu gas from coal
 0180 150 Reducibility and surface area of coprecipitated supported nickel methanation catalysts
 0180 297 Thermal stresses in coal conversion pressure vessels built of layered construction
 0181 74 Availability (exergetic) analysis of coal gasification processes. Part 1. Theoretical considerations
 0182 15 Availability (exergetic) analysis of coal gasification processes. Part 2. The synthane process
 0182 52 Reaction of sulfides in fuel gases with the iron oxide in coal ashes. Fixed-bed experiments and simulations
 0277 139 Separation of ash and uncovered coal particles from liquefied coal by flotation - dissertation
 0278 102 The separation of clays and major minerals in coal residues from coal and petroleum derived solvents
 0278 123 Experimental investigation of the flotation of residue solids from liquefied coal
 0279 80 Synthetic oil from coal - The economic impact of five alternatives for making hydrogen from coal and steam
 0279 139 Experimental laboratory measurements of thermophysical properties of selected coal types
 0280 10 Methanol from coal: cost projections to 1990
 0280 67 Precoat filtration of coal liquid feasibility study of bottom ash precoat
 0280 68 Distillation tower corrosion: Synergistic effects of chlorine and phenolic compounds in coal liquids
 0280 70 Materials testing for the H-coal process development unit (PDU)
 0280 71 Bench scale ebullating bed-fluid dynamics
 0280 72 Viscosity measurement of residual oil from H-coal process
 0280 73 Reactivity of Kentucky 9 and 11 coals using a microautoclave
 0280 74 Autoclave hydrogenation of Kentucky coals
 0280 75 Failure analysis addressing SRC distillation tower corrosion
 0280 76 SRC coal liquids-corrosion experiments
 0280 77 ESCA and AES analysis of SRC-1 distillation tower corrosion
 0280 78 Phenol analysis
 0280 79 Solid-liquid separation-filtration with bottom ash precoat
 0280 80 Hydrogen attack
 0280 81 Dissolver vessel environment corrosion
 0280 82 Naphthenic acid corrosion
 0280 83 Erosion of materials in coal liquid streams
 0280 84 Erosion of materials in coal conversion plants
 0280 85 Erosion of weldments
 0280 86 Catalysis research/liquefaction
 0280 87 TEM characterization of zirconia catalysts
 0280 88 Hydrodenitrogenation of model compounds
 0280 89 Catalysts in conversion of coal related products
 0280 90 Recovery of heavy coal-derived liquids by pressure fluid extraction
 0280 91 Analysis of Polish coal liquids
 0280 92 Removal of Nitrogen from coal-derived liquids

0280 93	Analysts of coal liquids by NMR spectroscopy
0280 95	Kentucky oil shale studies
0280 96	Shale oil analysis
0280 97	Development of sulfur tolerant dispersed metal catalysts for coal conversion processes
0280 98	The mechanism of sulfur poisoning of nickel methanation catalysts
0280 99	Direct reduction of metal ores by low-Btu coal gas
0280 100	Synthesis gas conversion via transition metals
0280 101	Infrared spectroscopic investigation of NO adsorbed on heterogeneous catalysts
0280 102	Compositional analysis of H-coal liquids
0280 103	Chloride analysis of SRC liquids from high corrosion distillation tower areas
0280 109	Synthetic fuel development in Kentucky
0280 128	Distillation Tower Corrosion: Chemical analysis of solvent refined coal process samples for chloride, acidic and basic compounds
0280 263	A comparison of independent product cost estimates: The cost of methanol from coal
0280 303	A model for the isothermal piastometric behavior of coals
0280 332	The thermochemical effects of gas-coals in pyrolysis process
0281 179	H-Coal liquefaction
0281 180	Solvent refined coal liquefaction
0281 185	Liquefaction research
0281 356	Chemistry of trace element species in coal liquefaction processes
0282 42	Monitoring corrosion through metal levels of streams
0377 35	Third Kentucky Coal Refuse Disposal and Utilization Seminar
0379 35	Proposed coal pillaring procedure using concrete containing coal refuse (coal-crete)
0379 90	Use of energy-efficient sintered coal refuse in lightweight aggregate
0380 44	Adsorption of CO on and S poisoning of, a perfect Ni(111) single crystal and a Ni(111) crystal with small angle boundaries
0477 91	Reclamation of surface mined coal spoils
0479 39	Rock mechanics study of shortwall mining - final technical report
0480 70	Manpower development
0480 71	Microfilming mine maps
0480 72	Kentucky coal mine and classification plant wastes and mine overburden as useful and economic building materials
0480 73	Rock mechanics of mining longwall
0480 74	Mine ventilation technology
0480 75	Clay mineral trends in eastern Kentucky coal-beds
0480 76	Static and dynamic modeling of the coal industry
0480 77	Reclamation
0480 78	Soil chemistry
0480 79	Design of refuse dikes and sediment control dams
0480 80	The Avifauna of reclaimed surfaced mined lands: Its composition and role in land use planning
0480 81	Effects of rootstocks and irrigation on grapes on strip-mined soils
0480 82	Use of soil amendments in the artificial regeneration of trees on surface mine spoil in eastern Kentucky
0480 83	Development of Mycorrhizal fungus isolates for adaptation of tree seedlings for stripmine reclamation
0480 84	State Mining and mineral resources research institutes-public law 95-87, title III
0480 85	Hydraulic transport of coal
0480 86	Organic sulfur compounds in western Kentucky strip-mine overburden
0480 87	Effects of coal contaminants on aquatic life and water quality
0480 88	Revegetation alternatives for surface mined coal spoils
0480 184	Chemical flocculation in coal mine sediment ponds
0481 73	Influence of coal rib pillar width on the stability of strata around the face-end and gatehead in longwall mining
0579 40	Charged membrane ultrafiltration of multisalt systems: Application to acid mine waters
0579 106	Reclaiming surface mines with black locust fuel plantations
0580 31	New uses for coal refuse as construction materials
0580 35	Environmental base-line data
0580 36	Resources information data base
0580 37	Sample collection

- 0580 38 Limestone resource characterization
 0580 39 Coal resources of eastern Kentucky
 0580 40 Petrographic analysis of Kentucky coals
 0580 41 Impact of coal preparation on liquefaction processes
 0580 42 Mineralogic composition and variability of western Kentucky coals
 0580 43 Geochemical composition and variability of western Kentucky coals
 0580 44 Thermal analysis of energy resources
 0580 45 Inorganic-classical analysis of energy resources
 0580 46 Analysis of coals by NMR spectroscopy
 0580 47 Organic analysis of coal
 0580 48 Surface area and pore volume determination of raw and solvent extracted coal samples
 0580 49 Isothermal plastic behavior of bituminous coals
 0580 50 Oxygen in coal and coal-derived liquid conversion products employing 14 MeV INAA
 0580 51 Trace Element Analysis
 0580 52 Development of an inductively coupled plasma-optical emission system for coal analysis
 0580 53 Slurry-injection atomic absorption analysis of coal and minerals
 0580 54 Coal analysts services
 0580 55 Analytical chemistry of coal
 0580 56 Laboratories
 0580 57 Office for informational services and technical liaison
 0580 58 Laboratory support
 0580 59 Solubility parameter study of coals
 0675 5 Advanced coal-derived fuel combined-cycle power plants
 0678 27 Computer aided optimization of integrated coal gasification combined-cycle power plants
 0679 91 Appearance of nitric-oxide and cyanide in one-dimensional coal dust/oxidizer flames
 0680 73 Atmospheric fluidized-bed combustor
 0680 74 Carbonate sulfur sorbent studies
 0680 75 Materials testing for AFBC
 0680 76 Corrosion in gaseous media
 0680 77 AFBC pneumatic splitter feeder system
 0680 78 Methanol-gasoline blend fuel test program
 0680 79 Optical pyrometer measurement of particle and gas temperatures
 0680 80 Chlorine in Kentucky coal
 0680 81 Systems Analysis
 0680 82 Application test burn of an emulsified coal/oil/water mixture
 0681 116 Atmospheric fluidized bed combustion
 0681 132 Development of an aerodynamic levitation technique to study coal particle combustion
 0781 18 Vitritite reflectance anisotropy as a tectonic fabric element
 0881 6 Capsule hoist system for vertical transport of coal and other mineral solids
 0882 55 Computational approach for coal slurry pipelines
 1077 73 Catalytic activity of coal mineral matter. Annual report, January 1976 - March 1977
 1078 134 Policy alternatives for reclaiming surface-mined lands
 1078 177 Microstructure studies of chemically desulfurized coals
 1079 44 Slurry-injection atomic absorption-spectrometry for analysis of whole coal
 1079 73 Determination of oxygen and nitrogen in coal by instrumental neutron activation analysis
 1079 82 Diffusion and adsorption in microporous solids: Measurement of effective diffusivities in coal
 1080 223 14 MeV INAA nitrogen determination in coal conversion liquids
 1081 30 Low-temperature dissolution of coal
 1081 50 Application of vitritite reflectance anisotropy in the evaluation of coal metamorphism
 1082 3 On the correlation of the weight per cent ash of coals and their silicon content

UNIVERSITY OF LAGOS, LAGOS, NIGERIA

- 0280 176 Novel pyrolytic decomposition of n-eicosane with synthesis gas and potassium-carbonate - catalyzed shift reaction
 0678 132 Gas convective heat-transfer to packed and fluidized-beds

- UNIVERSITY OF LEEDS, UNITED KINGDOM
 0280 106 The effect of increased aromaticity on the combustion characteristics of paraffinic kerosine
 0281 150 Analysis of fossil-fuel extracts by nmr spectroscopy
 0281 223 Analysis of anilines in coal-derived based fractions by Fluorine-19 NMR of hexafluoroacetone adducts
 0282 6 Cyclic alkanes as geochemical markers in coal liquefaction products
 0282 180 Investigation of the flash pyrolysis of some coals
 0581 12 Combustion of low grade fuels in a fluidised bed
 0581 52 Shock tube studies on the formation of soot from the combustion and pyrolysis of some hydrocarbons
 1078 66 Porous nature of solvent-extracted coals
 1079 35 Structural analysis of supercritical-gas extracts of coals
 1079 86 Recent advances in the analysis of coal-derived products
 1079 88 Paraffinic hydrocarbons from supercritical-gas extracts of coal as organic geochemical markers
 1080 134 Structural studies on coal extracts
 1081 15 Analysis of coal and coal derived products
 1081 41 Identification of straight-chain fatty acids in coal extracts and their geochemical relation with straight-chain alkanes
 1082 17 Estimation of oxygen group concentrations in coal extracts by nuclear magnetic resonance spectrometry
 1082 70 Structural analysis of tars from fluidized-bed pyrolysis of coal. 1. Gas-liquid chromatography of aliphatic and aromatic subfractions
 1082 74 Differential-pulse voltammetry at the Hanging-Mercury-Drop electrode for identification of aromatic structures in coal extracts
 1179 40 Coal study
- UNIVERSITY OF LIMOGES, PARIS, FRANCE
 0180 62 Plasma chemistry and its applications to the synthesis of acetylene from hydrocarbons and coal
- UNIVERSITY OF LIVERPOOL, LIVERPOOL, UNITED KINGDOM
 0581 60 The reclamation of acidic colliery spoil. 1. Acid production potential
- UNIVERSITY OF LONDON, LONDON, UNITED KINGDOM
 0779 40 Organic matter as indicator of the degree of metamorphism of the carboniferous rocks in the South-Wales coalfields
 0880 25 Steam locomotives
- UNIVERSITY OF LOUISVILLE, LOUISVILLE, KENTUCKY
 0280 112 Coal-based emulsions: A new generation of Hybrid fuels
 0280 245 Distribution of aliphatic and aromatic carbons in H-coal liquids by quantitative C FI-n.m.r. spectroscopy
 0281 162 Voltammetry and electrolysis of coal slurries and H-Coal liquids
 0381 117 A microprocessor-based control for a coal cleaning system
 0481 153 Coal seam degasification: legal and governmental constraints
 0681 198 The development of a microprocessor-based system to analyze and control fossil fuel combustion
 0681 202 Combustion of water-oil-coal mixtures in a commercial-scale boiler
 1079 198 Determination of protonated and quaternary carbons in H-coal liquids from quaternary carbon suppressed and nonsuppressed CMR spectra
- UNIVERSITY OF LULEA, LULEA, SWEDEN
 0882 45 Integration of mine dewatering installations with a hydraulic hoisting system
- UNIVERSITY OF MANITOBA, WINNIPEG, MANITOBA
 1181 19 Energy development in China - The need for a coherent policy
- UNIVERSITY OF MARYLAND, BALTIMORE, MARYLAND
 0681 59 Heterogeneous gas-solid reaction studies in a high temperature diffusion cell: the effect of sodium chloride on sulfur capture in fluidized bed combustion

UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND

- 0380 124 Simultaneous effects of oxygen and ferric iron on pyrite oxidation in an aqueous slurry
 0677 171 Enhancement of sorbent utilization by the use of additives
 1080 42 Concentrations of elements in the National Bureau of Standards' bituminous and subbituminous coal standard reference materials
 1080 105 Modes of occurrence of trace elements in coal - dissertation

UNIVERSITY OF MASSACHUSETTS, AMHERST, MASSACHUSETTS

- 0278 179 Analytical chemistry of liquid-fuel sources. Tar-sands, oil-shale, coal, and petroleum
 0281 32 Coal-oil mixtures. 2. Surfactant effectiveness on coal-oil mixture stability measured with a sedimentation column device
 0281 33 Coal-oil mixtures. 3. Stabilization of powders vs. colloids: Coal/oil vs carbon-black/oil systems
 0681 218 An aerodynamic study of an operating tangential fired furnace

UNIVERSITY OF MELBOURNE, PARKVILLE, AUSTRALIA

- 0178 197 Removal of water from brown-coal by treatment with steam
 0278 166 Reaction of a coal liquid with a hydrogen-donor solvent to form a carbon-rich solid
 0279 77 Thermal dissociation of tetralin between 300-and-450-degrees-celsius
 0279 78 Alternative representation of coal composition data
 0280 168 Influence of temperature on the hydrogenation of Australian Loy-Yang brown coal. 1. Oxygen removal from coal and product distribution
 0280 169 Influence of temperature on the hydrogenation of Australian Loy-Yang brown coal. 2. Structural analysis of the asphaltene fractions
 0381 36 High strength binderless brown coal briquettes - Part 1. Production and properties
 0381 38 High strength binderless brown coal briquettes - Part II. An investigation into bonding
 0680 12 Fluidized bed combustion of wet brown coal
 0680 65 Burnout rates of brown coal char particles in fluidized bed combustors
 0779 43 The physical structure of brown coal
 1080 45 Colloidal structure of Victorian-Brown-Coal. 3. Examination by ultracentrifugation

UNIVERSITY OF MELBOURNE, VICTORIA, AUSTRALIA

- 0280 233 The effect of coal structure on the dissolution of brown coal in tetralin
 0481 69 Vibratory cutting of brown coal
 1081 165 The nature and possible significance of particulate structure in alkali-treated brown coal

UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN

- 0277 66 Physical and chemical behavior of liquefied coal in solids separation. Annual report, September 1977
 0277 81 Studies on the separation of coal extract from solid residue in liquefied coal
 0278 93 Adsorption of coal derived asphaltenes
 0280 201 Chemistry of metal-metal multiple bonds in Group VI complexes
 0379 89 Filtration of coal derived liquids - dissertation
 0381 37 How to select material properties for wear resistance
 0577 55 Coal development in Montana: Economic and environmental impacts
 0580 90 Treatment of synthane coal gasification wastewaters by adsorption on synthane gasifier chars - dissertation
 1079 118 Behavior of liquefied coal in filtration

UNIVERSITY OF MINNESOTA DULUTH, DULUTH, MINNESOTA

- 0181 89 Gasification of Western coal: fuel for thought

UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINNESOTA

- 0477 137 50th Annual Meeting Minnesota Section, AIME, 38th Annual Mining Symposium
 0581 90 An air that kills - man's alteration of the chemical climate
 1077 69 Dynamic particle size measurement of coal-dust
 1078 75 Aerosol size distributions and aerosol volume formation for a coal-fired power-plant plume
 1078 76 Nuclear formation rates in a coal-fired power-plant plume
 1081 145. In-flight plasma reduction of domestic chromite
 1179 28 Economic analysis of coal-fired cement kilns

- UNIVERSITY OF MINNESOTA, ST. PAUL, MINNESOTA
1077 66 Status of peat research in Minnesota
- UNIVERSITY OF MISSISSIPPI, UNIVERSITY, MISSISSIPPI
0281 209 Hydrocracking polycyclic hydrocarbons over a dual-functional zeolite (faujasite) based catalyst
1077 13 The conversion of model coal liquids compounds to naphtha species
- UNIVERSITY OF MISSOURI COLUMBIA, COLUMBIA, MISSOURI
0178 394 Trace element studies on coal gasification process streams - dissertation.
0179 311 Trace element distributions in coal gasification products
0180 204 Chromatographic characterization of organic by-products of simulated in situ coal gasification
0181 178 Interchange of pollutants between groundwater and mineral strata as applied to waste chemical dumps and in-situ coal gasification sites
0182 26 A simple solvent extraction scheme employing dissolved organic carbon analysis for the characterization of organic by-products from simulated in situ coal gasification
0279 173 Study of mobilization and speciation of trace elements in coal pyrolysis - dissertation
0574 34 Acid strip mine lake recovery
0579 34 Interchange of metals and organic matter between water and sub-bituminous coal or lignite under simulated coal slurry pipelines conditions
0580 108 Influence of coal humic acid on the growth of *Chlorella vulgaris* algae
0581 73 Sulphur dioxide sorption by humic acid-fly ash mixtures
0581 85 Environmental chemical investigations of trace element mobilization in synthetic fuels manufacture
0877 7 Conserving energy and protection environment by using freight pipelines - A technology assessment
0879 14 Metal removal from water by granular coal in coal slurry pipelines
0879 34 Fuel economy of freight pipeline for transporting coal
1076 11 Coal chemistry: Aspects of analysis, structure, reactions, conversion, and byproducts
1079 91 Effects of organic and inorganic binding on the volatilization of trace-elements during coal pyrolysis
1081 179 Small-angle x-ray investigation of the porosity in coals
- UNIVERSITY OF MISSOURI ROLLA, ROLLA, MISSOURI
0176 74 Application of special fluidized-bed techniques to coal gasification
0178 200 Chemical and physical stability of refractories for use in coal gasification. Second annual progress report for May 1977 - April 1978
0179 77 Chemical and physical stability of refractories for use in coal gasification. Third annual progress report for May 1978 - April 1979
0180 223 Chemical and physical stability of refractories for use in coal gasification, final report, May 1, 1976 - July 31, 1980
0180 238 Properties of refractories after exposure to high pressure gases - 3. Effect of percent saturation
0181 98 Thermal analysis of in-situ conversion of coal
0479 73 Effects of expansion-anchor rock bolts on the stability of layered mine roofs
0479 117 Recent advances in water jet coalmining
0479 139 Classification of roof falls in coal mines
0479 194 Recent advances in water jet coalmining
0480 61 Water jet drilling horizontal holes in coal
0578 93 Coal, water, trace-elements and mortality
0679 150 Properties of refractories after exposure to high pressure gases. 1. Survey of commercial products
0776 4 Geophysical approaches to coal exploration, a review
1077 17 UMR-DNR Conference on Energy. Theme: Energy Crisis - Where Do We go from Here?
1077 18 Control of trace-elements during the increasing development of coal for energy
1077 19 Comparison of nuclear and coal power plants using net energy analysis
1176 1 Third annual UMR-MEC conference on energy
- UNIVERSITY OF MONTANA, HELENA, MONTANA
0276 59 Coal liquefaction: Technology, impacts and technical suitability for Montana

- UNIVERSITY OF MONTANA, MISSOULA, MONTANA
 0579 80 Environmental effects from leaching of coal conversion by-products
 0580 130 Coal mine reclamation with native plants
- UNIVERSITY OF NATAL, NATAL, SOUTH AFRICA
 0274 14 Thermal decomposition and hydrogenation of coal dust in a shock tube
- UNIVERSITY OF NEBRASKA, LINCOLN, NEBRASKA
 0179 274 Gas-phase hydrogen permeation and diffusion in carbon steels as a function of carbon content from 500 to 900 k.
- UNIVERSITY OF NEW BRUNSWICK, FREDERICTON, NEW BRUNSWICK
 1182 21 Canadian energy consumption in the seventies: trends and interpretation
- UNIVERSITY OF NEW HAMPSHIRE, DURHAM, NEW HAMPSHIRE
 0279 104 Catalytic liquefaction of coal
 0281 337 Study of disposable catalysts in coal liquefaction
 0677 96 Mechanism of sub-micron fly-ash formation in a cyclone, coal-fired boiler
 0678 87 An investigation of the mechanism of fly-ash formation in coal-fired utility boilers. Annual and quarterly report, Feb. 1977 - Jan. 1978, Nov. 1977 - Jan. 1978
 1177 2 Dynamic modeling and control of magnetohydrodynamic/steam systems
 1181 26 Coal power, its promises and problems
- UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, NEW MEXICO
 0179 103 Hydrologic and environmental findings: San Juan UCC site
 0180 216 Effects of several trace contaminants on fuel cell performance
 0180 257 A combined fracture/porous media model for contaminant transport
 0579 81 The disposal and reclamation of southwestern coal and uranium wastes
 0781 33 A new technique for determining the methane content of coal
- UNIVERSITY OF NEW SOUTH WALES, DUNTRON, AUSTRALIA
 0882 51 Pump scaling and leakage characteristics of a positive displacement rotary ram slurry pump
- UNIVERSITY OF NEW SOUTH WALES, KENSINGTON, AUSTRALIA
 0182 6 Reactivity of Australian coal-derived chars to carbon dioxide
- UNIVERSITY OF NEW SOUTH WALES, NEW SOUTH WALES, AUSTRALIA
 0180 134 Industrial catalysis
 0380 113 Improving fines flotation recovery
 0479 149 Heat storage in steel arches in gate roadways
- UNIVERSITY OF NEW SOUTH WALES, SYDNEY, AUSTRALIA
 0680 180 The role of coal volatiles in fluidized bed combustion
- UNIVERSITY OF NEW YORK, NEW YORK, NEW YORK
 0177 290 Improved techniques for gasifying coal. First annual report for July 1976 - June 1977
 0178 398 The thermodynamics of coal chars: Correlation of free energy of formation with reactivity
 0279 200 Correlation of flash hydrogenation yields with petrographic properties
 0280 65 Experiments on heat exchanger solidity for coal-fired fluidized-bed applications
- UNIVERSITY OF NEWCASTLE UPON TYNE, NEWCASTLE UPON TYNE, UNITED KINGDOM
 0181 29 Catalytic gasification of metallurgical coke by carbon dioxide using potassium salts
 0280 17 Carbonization and liquid-crystal (mesophase) development. 16. Carbonizations of soluble and insoluble fractions of coal-extract solution
 0280 18 Carbonization and liquid crystals (mesophase) development. 15. A common stage in mechanisms of coal liquefaction and of coal blends for coke making
 0280 20 Carbonization and liquid-crystal (mesophase) development. 18. Carbonization of coal-extract solutions

- (nonhydrogenated): Influence of digestion conditions upon optical texture of cokes
 Carbonization and liquid-crystal (mesophase) development. 17. Co-carbonization of a solvent-refined coal with petroleum pitches and hydrogenated coal-extract solution
 Effects of additions of petroleum coke in coals upon strengths of resultant cokes
 Hydrogen donor and acceptor abilities of pitch: Proton NMR study of hydrogen transfer to anthracene
 Carbonizations under pressure of chloroform soluble material of coking vitrinite
 Carbonization and liquid-crystal (mesophase) development. 21. Replacement of low-volatile caking coal by petroleum pitch in coal blends for metallurgical coke
 A magnetic ring extensometer system for strata deformation measurement in coal mines
 Carbonization and liquid crystals, (mesophase) development. 14. Co-carbonization of coals with A240 Ashland petroleum pitch: Effects of conditions of carbonization upon optical textures of resultant cokes
 The influence of minerals on the pyrolysis of kerogens
 The effects of impregnation of coal by alkali salts upon carbonization properties
 Proton NMR study of the co-carbonization of hydrogenated anthracene oil with coal-tar pitch and coal
 Microscopy study of bonding in co-carbonizations between coke grist from coal-extract solution and coal-tar binder
 Carbonization and liquid-crystal (mesophase) development. 19. Co-carbonization of oxidized coals with model organic compounds
 Carbonization and liquid-crystal (mesophase) development. 20. Co-carbonization of a high-volatile caking coal with several petroleum pitches
 Carbonization and liquid-crystal (mesophase) development. 22. Micro-strength and optical textures of cokes from coal-pitch co-carbonizations
 Carbonization of coal blends: mesophase formation and coke properties
 High-temperature Proton NMR study of oxidized coal
 Nuclear magnetic proton relaxation studies of oxidized coals
 The role of liquid crystals in the formation of graphitizable carbons (cokes)
 Study of the reaction of cokes with KOH under nitrogen
 Structure in a coking coal vitrinite - a high resolution electron microscopy study
- UNIVERSITY OF NEWCASTLE, NEWCASTLE, AUSTRALIA
 0179 113 In-situ gasification research in Australia bench trials of a parallel borehole system
 0679 111 Mineral matter in coal and the thermal performance of large boilers
 0680 210 Combustion of particles in a large pulverized brown coal flame
 0681 76 Fly ash characteristics and radiative heat transfer in pulverized-coal-fired furnaces
 0682 0 Alkali-ash reactions and deposit formation in pulverized-coal-fired boilers: the thermodynamic aspects involving silica, sodium, sulphur, and chlorine
 0682 1 Alkali-ash reactions and deposit formation in pulverized-coal-fired boilers: experimental aspects of sodium silicate formation and the formation of deposits
 1079 117 The identification of magnesite from pyrite in coal by DTA
- UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, NORTH CAROLINA
 0580 168 An evaluation of the biological treatability of coal conversion wastewater
- UNIVERSITY OF NORTH DAKOTA, GRAND FORKS, NORTH DAKOTA
 0277 135 Project Lignite - final technical report, March 28, 1972 -June 15, 1977
 0277 147 Solvent refined lignite process development - Quarterly Technical Progress Report No. 1, July - September, 1977
 0278 148 Process development for solvent-refined-lignite laboratory autoclave studies: Part II. Project Lignite: Premium fuels from Northern Great Plains Lignite R & D Report No. 106, Interim report No. 4
 0278 234 Solvent refined lignite process development - Quarterly Technical Progress Report No. 2, October - December, 1977
 0279 118 Application of liquefaction process to low-rank coals
 0279 180 The use of acetylation of quantitate acid groups in coal derived liquids
 0279 193 Carbon monoxide-water vs. hydrogen for liquefaction: The reduction of diphenylsulfide, thioanisole and dibenzothioephene
 0279 230 Solvent refined lignite process development - Final Technical Report, June, 1977-June, 1978
 0280 7 UND hot-charge time-sample batch autoclave facility

- Carbon monoxide-water vs. hydrogen for liquefaction: the reduction of diphenylsulfide, thioanisole and dibenzothiophene
 Solubility increase of coal-derived liquids by silylation and acetylation: Intermolecular hydrogen bonding
 Laboratory batch liquefaction of low rank coals
 Process chemistry of direct liquefaction of lignite with hydrogen and carbon-monoxide
 Quantitative FT 13C N.M.R. of solvent-refined coals using sym-triazine as solvent
 Chemical modification and separation of preasphaltenes of SRC - Final Report
 Catalytic and non-catalytic flow-pyrolysis of bibenzyl - possible homolytic and heterolytic processes on basic CaO
 Effect of added hydrogen sulfide on the liquefaction of low-rank Western coals
 Analytical cleavage of diaryl ethers as models for asphaltene and preasphaltene structures
 Quantitation of the reductive cleavage of aryl ethers of SRC and coals Semi Annual Report Period: September 1981 - March 1982
 Use of acetylation and Carbon-14-counting to quantitate hydroxyl groups in preasphaltenes and asphaltenes from coal hydrogenation
 Beneficiation of lignite by sodium removal using ion exchange
 A comparative study of effluents and their control from four dry ash lurgi gasification plants - section A
 A comparative study of effluents and their control from four dry ash lurgi gasification plants - section B
 Depositional setting and groundwater quality in coal-bearing sediments and spoils in western North Dakota
 Comparison of solvent-refined-lignites with solvent-refined bituminous coals
 Evaluation of solvents for carbon-13 n.m.r. analysis of solvent-refined-coals
- UNIVERSITY OF NOTRE DAME, NOTRE DAME, INDIANA
 0179 301 Catalytic effect of nickel and potassium-carbonate in the gasification of carbon and coal - dissertation
 0182 11 Kinetics of the potassium carbonate-catalyzed steam gasification of carbon and coal
 0478 317 Microstructural effects in abrasive wear, year-end summary report, March 15, 1977 - March 15, 1978
- UNIVERSITY OF NOTTINGHAM, NOTTINGHAM, UNITED KINGDOM
 0478 132 Investigations into firedamp emissions with reference to the coal face
 0478 287 Some geotechnical considerations in the planning of surface coal mines
 0479 99 Thick, steep and irregular coal seam mining
 0479 113 Design and stability of pillars in longwall mining
 0479 148 Evaluation of the design requirements and performance of gate roadways
 0482 2 Lignite mining techniques
 1181 10 Coal scenario - AD 2000
- UNIVERSITY OF NOVI SAD, YUGOSLAVIA
 0681 55 Comparative study of two models for a nonisothermal continuous fluidized bed catalytic reactor
- UNIVERSITY OF OKLAHOMA, NORMAN, OKLAHOMA
 0178 341 Thermal and kinetic analysis of the pyrolysis of coals
 0279 57 Predicting thermodynamic properties for fossil-fuel chemicals
 0280 230 Data bank for synthetic fuels
 0281 46 Development of a standardized method to characterize fossil fluids for process design
 0579 36 Water and energy in the western coal lands
 0581 12 Synthetic fuel development in the western U.S.: an analysis of current and anticipated issues
 0682 20 A comparative study of the structure of burning sprays of Number 2 and SRC-II fuel oils
 0881 40 Relationships in the siting of power plants, slurry pipelines, unit trains and other energy transportation
 1081 158 Qualitative and quantitative analysis of iron-bearing minerals in fossil fuels and petroleum source rock by iron-57 Moessbauer spectroscopy
 1082 72 Reactions of small covalent molecules with coal: trifluoroacetic acid
- UNIVERSITY OF OLSO, OLSO, NORWAY
 1080 82 Direct atomic absorption spectrometric determination of copper, nickel and vanadium in coal and petroleum coke

- UNIVERSITY OF OTAGO, DUNEDIN, NEW ZEALAND
1071 2 Use of reflectance measurements on New-Zealand coals
- UNIVERSITY OF OTTAWA, OTTAWA, ONTARIO
0181 37 Steam gasification of lignite char
0181 56 Reactor designs for char gasification kinetics
0181 232 Catalytic gasification of lignite char
0281 339 Conversion of lignite coal into oil
0382 29 Complete removal of sulphur from coal using solutions containing cupric ions
- UNIVERSITY OF OVIEDO, OVIEDO, SPAIN
1082 4 Influence of coagulants and flocculants on contact angles of coal surfaces
- UNIVERSITY OF OXFORD, LONDON, UNITED KINGDOM
0481 156 Algebraic reconstruction of a two-dimensional velocity inhomogeneity in the High Hazles seam of Thoresby colliery
- UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PENNSYLVANIA
0179 216 Thermodynamic predictions of the behavior of Fe-Cr-Al alloys in coal gasifier environments
0181 14 A new look at an old fossil: Kinetics of coal processing
0182 0 Model for coal oxidation kinetics. 1 Reaction under chemical control
0182 1 Model for coal oxidation kinetics. 2. An effectiveness factor interpretation
0380 2 Coal pretreatment - extensions of flowtran to model solids-handling equipment
0676 15 Proceedings of the 15th symposium engineering aspects of magnetohydrodynamics
1079 45 On the kinetics of coal oxidation
- UNIVERSITY OF PENNSYLVANIA, UNIVERSITY PARK, PENNSYLVANIA
0180 303 The kinetics of coal drying and oxidation: a study of physical and chemical parameters - dissertation
- UNIVERSITY OF PISA, PISA, ITALY
1080 192 Characterization of coals by infrared spectroscopy
- UNIVERSITY OF PITTSBURGH, PITTSBURGH, PENNSYLVANIA
0177 226 The measurement of the flow properties and capillary pressure relationships of certain coal pertaining to underground coal gasification. Final report, September 1976 - November 1977
0178 353 Water usage in an integrated coal gasification plant
0179 38 The measurement of the flow properties of coals for in-situ gasification. Final report for December 1977 - November 1978
0180 82 Multiple steady states in adiabatic gas-liquid-solid reactors
0180 233 Synthesis gas reactions using catalysts formed by oxidizing Ni-containing intermetallic compounds
0181 107 Thiocyanate bio-oxidation kinetics
0278 204 Screening of zeolite catalysts for methanol conversion to light hydrocarbons. Final report, January 1 - September 30, 1978
0279 97 Oxygen, nitrogen, and sulfur removal reactions in donor-solvent coal liquefaction
0280 195 Synthesis-gas reactions over catalysts formed by oxidation of thorium-containing intermetallic compounds
0280 261 Pyrolysis of coal liquids
0281 100 New experimental techniques for the high temperature high pressure gas-liquid-solid reactors
0281 190 Heteroatom removal during liquefaction
0281 191 Design of coal-liquefaction reactors
0281 192 Kinetic models for donor-solvent coal liquefaction
0281 286 Structure and properties of coal and the mechanism of coal liquefaction
0281 318 Chemical and physical aspects of refining coal-liquids
0282 17 Kinetics of thermal liquefaction of coal
0282 62 Steady state thermal behavior of an adiabatic three phase slurry reactor - coal liquefaction under slow hydrogen consumption reaction regime
0378 32 Computer simulation of coal preparation plants
0379 27 Optimization of coal preparation plants

- 0380 16 Kinetics of oxydesulfurization of Upper-freeport coal
 0380 181 Study of precombustion methods of chemical coal cleaning - final report
 0381 43 Kinetics of organic sulphur removal from coal by oxydesulphurization
 0577 59 Preliminary evaluation of the use of powdered coal as a natural-gas substitute for sewage sludge incineration.
 Final report, June - November 1977
 0577 80 permeability and related properties of coal refuse
 0578 85 Preliminary evaluation of PETC-coal conversion solid and hazardous wastes, Progress report for September 1977 - September 1978
 0579 3 Environmental noise assessment for synthane pilot-plant
 0579 62 Final evaluation of petc coal conversion solid and hazardous wastes. Final Report, September 15, 1977-November 30, 1979
 0580 195 Laboratory leaching of coal conversion solid wastes - Progress Report, November 1, 1979-January 31, 1980
 0581 77 Bio-oxidation of thiocyanates typical of coal conversion effluents - Final report
 0679 93 Hot corrosion of Ni-base turbine alloys in atmospheres in coal-conversion systems
 0681 102 Analysis of coal-oil mixture sedimentation by modified continuity wave theory
 0878 49 Damping solid-flow fluctuations
 1074 2 Air-water relative permeability studies of Pittsburgh and Pocahontas coals
 1079 51 Influences of metal surfaces on the adhesion of coal
 1081 233 Fine coal and filter cake characterization by image analysis techniques as related to filtration and dewatering processes
- UNIVERSITY OF POTCHEFSTROOM, POTCHEFSTROOM, SOUTH AFRICA
 0273 1 The uncatalyzed hydrogenation of coal
- UNIVERSITY OF PRETORIA, PRETORIA, SOUTH AFRICA
 0778 35 Mineral commodities from coal
- UNIVERSITY OF QUEENSLAND, ST. LUCIA, AUSTRALIA
 0379 50 Washability of Australian coals
- UNIVERSITY OF RHODE ISLAND, KINGSTON, RHODE ISLAND
 0280 369 Heat transfer characteristics of two-phase flow through packed beds
 0281 202 Thermal dispersion and heat transfer in nonisothermal bubble columns
- UNIVERSITY OF ROME, ROME, ITALY
 0682 29 Alternative routes to steel based on hydrogen from cheap hydroelectric power
 1081 162 Stability of bitumens produced by thermal processes
- UNIVERSITY OF SASKATCHEWAN, REGINA, SASKATCHEWAN
 0382 32 Thermal dewatering of lignite
 0882 55 Computational approach for coal slurry pipelines
- UNIVERSITY OF SASKATCHEWAN, SASKATOON, SASKATCHEWAN
 0480 164 The cyclic mobility of a fine dense sand due to the load-unloading cycle and vibration of a large dragline
 0574 33 Study of erosion in the strip-mined area around Estevan, Saskatchewan, Vol. 1 & 2
 0881 44 Pipeline flow of coarse coal slurries
 0881 49 Flow of coarse coal in 150, 250 and 500 mm pipelines
 0882 2 Slurry pipeline development centre at Saskatoon
- UNIVERSITY OF SHEFFIELD, SHEFFIELD, UNITED KINGDOM
 0478 293 Modelling the dynamics of coal and mineral cutting
 0677 87 An investigation of acid smut formation in an industrial boiler plant
 0680 179 Transient behaviour of a fluidized bed coal combustor in a slumped condition
 0681 19 Fluid and particle mechanics in combustion
 1080 123 Glass transformation in some pitch materials
 1081 83 Distribution of water-soluble chlorine in coals using stains and acetate peels

UNIVERSITY OF SHERBROOKE, SHERBROOKE, QUEBEC

- 0681 192 Upgrading of inert-rich oxidized coal from western Canada with reducing gases to improve combustion performance
- 1079 59 Kinetic expressions for coal char-gas reactions
- 1082 31 Anisotropic coke-like structures produced by carbonization of residues derived from aqueous-phase hydrogenolysis of peat with syngas
- 1082 48 Peat hydrogenolysis using H₂/CO mixtures: Micropetrological and chemical studies of original material and reaction residues

UNIVERSITY OF SILESIA, SOSNOWIEC, POLAND

- 1081 96 Raman studies of coals

UNIVERSITY OF SOFIA, SOFIA, BULGARIA

- 0780 4 On the geochemistry of indium in coal-forming process

UNIVERSITY OF SOUTH CAROLINA, COLUMBIA, SOUTH CAROLINA

- 0480 113 The effects of a rider coal and splay deposits on roof conditions in the Stansbury Mine
- 0578 39 Depositional environment of carboniferous sediments - A predictor of coal mine problems
- 0777 16 Geology of the Beckley coal seam in the Eccles no. 5 mine near Eccles, West-Virginia
- 0780 17 Wave-dominated deltas: an important economic depositional model for upper cretaceous of southwestern Wyoming

UNIVERSITY OF SOUTH FLORIDA, TAMPA, FLORIDA

- 0679 36 Combustion of Methanol Coal Slurries in the Hartmann Resonator. Final report, August 1977 - March 1979
- 0679 192 Combustion of coal suspension fuels using air atomizers
- 0681 203 Combustion of coal suspension fuels with Hartmann atomizers

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CALIFORNIA

- 0276 20 Chemistry and structure of coal-derived asphaltenes, Phase I, Quarterly Progress Report, Jan - March 1976
- 0277 43 Chemistry and Structure of coal-derived asphaltenes, Phase I, Quarterly Progress Report, July - Sept. 1975
- 0278 24 Novel Approaches for determination of degree of association of coal-derived products by vapor-pressure-osmometry
- 0279 72 Chromatographic separation and characterization of coal-derived asphaltenes
- 0279 170 Structural difference between petroleum and coal-derived asphaltenes
- 0280 27 Solubility parameters in coal and coal liquefaction products
- 0282 37 Mesophase formation in coal-derived liquid asphaltene
- 0680 141 Chemical affiliation of trace metals in coal ash
- 1078 41 Charge transfer complexes of coal-derived asphaltenes
- 1078 128 Structural characterization of solvent fractions from five major coal liquids by proton nuclear-magnetic-resonance
- 1080 3 Controlling production mechanism of methane gas from coalbeds
- 1181 6 Future economy of electric power generated by nuclear and coal-fired power plants

UNIVERSITY OF SOUTHERN CALIFORNIA, UNIVERSITY PARK, CALIFORNIA

- 0280 311 Chemistry and structure of coal derived asphaltenes and preasphaltenes
- 0281 253 Fourier transform infrared and solid state carbon-13 nuclear magnetic resonance spectroscopic analyses of pyrolysed coal liquid asphaltene

UNIVERSITY OF STRATHCLYDE, GLASGOW, UNITED KINGDOM

- 0482 71 Conclusions from strata mechanics investigations conducted by Cardiff and Strathclyde Universities at longwall faces
- 0482 73 The re-use of gateroads serving retreat faces at Betws Colliery

UNIVERSITY OF STUTTGART, STUTTGART, GERMANY

- 0178 74 Theoretical studies of coal pyrolysis in an entrained-bed flow-reactor
- 0678 240 Power generation costs in coal-fired and in nuclear power plants

- UNIVERSITY OF SURREY, SURREY, UNITED KINGDOM
0681 201 The effect of coal rank on the heat release from coal/oil dispersions
- UNIVERSITY OF SWANSEA, SWANSEA, UNITED KINGDOM
0880 9 Drag reduction by air injection for suspension flow in a horizontal pipeline
- UNIVERSITY OF TENNESSEE SPACE INSTITUTE, TULLAHOMA, TENNESSEE
0180 77 MHD/steam electrical power production - a status report
0676 13 Development program for MHD direct coal-fired power generation test facility, Annual Technical Progress Report, Jan. - Dec. 1975
0677 5 A description of the direct coal-fired MHD facility at the University of Tennessee Space Institute
0677 121 Corrosion and deposits in MHD generator systems
0677 145 Development program for MHD direct coal-fired power generation test facility, Annual Technical Progress Report, Jan. - Dec. 1976
0678 103 Development program for MHD direct coal-fired power generation test facility, Annual Technical Progress Report, Jan. - Dec. 1977
0678 238 Insulator performance and anode-recession-rate in a direct coal-fired cold-copper diagonal-conducting wall MHD-generator
0681 31 Parametric study of potential early commercial MHD power plants
0681 95 MHD/steam electrical power production - A report
- UNIVERSITY OF TENNESSEE, CHATTANOOGA, TENNESSEE
0779 36 Evaluation of the coal reserves in the Whitwell Shale in the Southern Cumberland plateau in Tennessee - final report
- UNIVERSITY OF TENNESSEE, KNOXVILLE, TENNESSEE
0270 52 In-situ conversion of coal, Final report, June 1975 - Nov. 1977
0280 190 Stability of coal-derived particles in organic media - dissertation
0281 63 Internal rearrangement of hydrogen during heating of coals with phenol
0282 48 Some structural and chemical roles played by hydroxyl groups in coals
0579 21 Environmental aspects of coal production in the Appalachian region progress report for June 1978 - May 1979
0579 61 The impact of active coal mining and orphan coal mines on the water quality in the southern coal field
0581 46 Nonphotochemical decomposition of fluorene vapor-adsorbed on coal fly ash
0781 38 Coal structure
1077 36 Polymer structure of bituminous coals
1079 238 The effect of reagent access in coal reactivity
1081 13 Kinetic study of the depolymerization of Bruceton coal
1081 104 Matrix isolation Fourier transform infrared spectrometric detection in the open tubular column gas chromatography of polycyclic aromatic hydrocarbons
1081 184 Characterization of coal-derived materials by matrix isolation spectroscopy
1082 75 Analysis of polycyclic aromatic compounds containing nitrogen and oxygen by matrix isolation fourier transform infrared spectroscopy
1179 37 Economic and environmental impact of back-to-contour reclamation legislation in Appalachia
- UNIVERSITY OF TENNESSEE, TULLAHOMA, TENNESSEE
0680 61 Description of the DOE coal-fired MHD facility (CFFF)
0680 192 Description of the DOE MHD coal-fired flow facility (CFFF)
0681 154 On coal conversion with a variable pressure combustor
- UNIVERSITY OF TEXAS, AUSTIN, TEXAS
0175 24 In-Situ conversion of Texas-lignite to synthetic-fuels
0175 73 In-situ conversion of Texas-lignite to synthetic-fuels
0177 85 Performance of gas-turbines and combined-cycles operating on fuels produced by in-situ gasification of lignite
0178 139 Groundwater pollutants from underground coal gasification
0178 171 Assessment of overburden stability in the in-situ gasification of Texas lignite
0178 348 The modeling of cavity formation during underground-coal-gasification
0179 100 Development of a three-dimensional simulator for cavity growth during underground coal gasification

- 0179 104 Organic groundwater contaminants from UCG
0179 286 Coal gasification and liquefaction
0180 152 Modeling of heat and mass transfer during coal block gasification - dissertation
0182 25 Characterization of condensates produced during underground coal gasification
0279 208 The dissolution of lignite in anhydrous liquid ammonia
0581 26 Groundwater contaminant transport with adsorption and ion exchange chemistry: Method of characteristics for the case without dispersion
0776 14 Proceedings Gulf Coast Lignite Conference: Geology, utilization, and environmental aspects. Report of Investigations No. 90
0980 5 The classification of coal resources and reserves
1080 12 Control strategies for pulverized coal-fired systems
- UNIVERSITY OF TEXAS, HOUSTON, TEXAS
0579 46 Trophic level accumulation of heavy metals in a coal-ash basin drainage system
- UNIVERSITY OF THE WEST INDIES, TRINIDAD
1081 100 Comparative studies in the ozonolysis of lignin and coal
- UNIVERSITY OF TOKYO, TOKYO, JAPAN
0179 343 Low-btu coal char gasification by a pressurized two-stage fluidized bed - Sunshine project
0181 23 Coal char gasification in a two-stage pressurized fluidized bed
0181 204 Recent progress in elucidating the mechanism of heterogeneous catalysis
0182 52 Reaction of sulfurides in fuel gases with the iron oxide in coal ashes. Fixed-bed experiments and simulations
0278 168 Effect of phenolic compounds on liquefaction of coal in the presence of hydrogen-donor solvent
0279 98 Thermal decomposition of coal-related aromatic compounds in hydrogen-donating solvent
0280 40 Qualitative and quantitative assessment of reaction models of coal hydrogenation
0280 176 Novel pyrolytic decomposition of n-eicosane with synthesis gas and potassium-carbonate - catalyzed shift reaction
0681 11 Fluidized bed combustion technologies in Japan
- UNIVERSITY OF TOLEDO, TOLEDO, OHIO
0181 169 Process for the concurrent production of hydrogen, carbon-monoxide and low-volatile, low sulfur char by flash carbonization of coal.
0182 51 Process for the concurrent production of hydrogen, carbon-monoxide and low-volatile, low-sulfur char by flash carbonization of coal
0380 41 Removal of organic sulfur from coal: The use of liquid sulfur dioxide
- UNIVERSITY OF TORONTO, TORONTO, ONTARIO
0181 42 Rapid pyrolysis and hydrolysis of Canadian coals
0380 40 The release of vanadium from Athabasca oil-sands cokes by leaching techniques
0681 22 Preparation of coal-oil mixture fuels
0681 191 Grinding of coal slurries with the Szego mill
1082 26 Determination of specific heats of coal powders by differential scanning calorimetry
- UNIVERSITY OF TUBINGEN, TUBINGEN, GERMANY
0380 143 Elimination of sulfur by plasma techniques
- UNIVERSITY OF TULSA, TULSA, OKLAHOMA
1080 80 Distribution of organic matter in a shale clast
- UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH
0175 80 Applied research and evaluation of process concepts for liquefaction and gasification of western coals - Quarterly Progress Report Period Oct.-Dec. 1975
0176 109 Single-stage, coal gasification reactor
0178 163 Equilibrium thermodynamic correlations in coal hydrogenation to pipeline-gas
0179 199 The reduction of silica with carbon and silicon carbide
0269 0 Coal can also yield liquid fuels

- 0275 31 Hydrogenation of western coal in dilute phase under medium pressures for production of liquids and gases - Final Report - Oct. 2, 1969-May 31, 1975
- 0276 91 Catalytic liquefaction of coal and refining of products
- 0277 0 Simulated solution mining of a Utah bituminous coal
- 0278 23 Carbon-13 NMR Investigation of the chemical composition of coal derived liquids.
- 0278 89 The effect of coal characteristics on the catalytic liquefaction of Utah coals
- 0278 214 Hydropyrolysis of coal derived liquids and related model compounds - dissertation
- 0278 228 Chemistry of coal liquefaction: status and requirements
- 0279 76 Structural characterization of coal-hydrogenation products by proton and carbon-13 nuclear-magnetic-resonance
- 0279 108 Elucidation of coal structural components by short residence-time extractive liquefaction
- 0279 109 A survey of methods of coal hydrogenation for the production of liquids
- 0279 132 Applied research and evaluation of process concepts for liquefaction and gasification of western coals
- 0279 153 Hydrogenation of coal liquids in the presence of sulfided Ni-Mo/Al₂O₃
- 0279 182 The effects of T₁ and NOE considerations in quantitative applications of carbon-13 NMR to the analysis of complex hydrocarbon mixtures
- 0279 184 The initial stage of coal hydrogenation in the presence of catalysts
- 0279 189 Elucidation of coal structural components by short residence-time extractive liquefaction - dissertation
- 0279 192 Coal hydrogenation char as blending agents for coke production
- 0279 194 Catalytic cracking of hydrotreated coal-derived liquids (hydro-CDL) and related polycyclic naphthenes
- 0279 197 Chemical characterization of a hvb coal
- 0280 29 Kinetics of coal liquefaction: Effect of catalyst, hydrogen concentration
- 0280 59 Synthetic, coal-derived fuels
- 0280 175 Mechanism of coal hydrogenation-liquefaction: Effect of temperature and coal particle size
- 0281 34 Characterization of coke on coal catalysts by an oxidation technique
- 0281 73 Studies on an aged H-coal catalyst
- 0281 272 Characteristics of coal-derived liquids from different processes: relationships to coal structure
- 0282 0 Coal liquefaction with metal halide catalysts at short residence times
- 0282 2 Implications on coal pyrolysis chemistry from model compound studies
- 0282 163 Changes in aromaticity during coal liquefaction
- 0378 55 Energy requirements for the fine grinding of coal in an attritor
- 0478 310 Final report on selected research projects leading to the development of Utah coal, tar-sands, and oil-shale
- 0479 248 Elastic-plastic and elastic-brittle finite element analysis of cave zone growth in response to longwall fall advance
- 0481 79 Comparisons between finite element calculations and field measurements of room closure and pillar stress during retreat mining
- 0481 127 Inexpensive but technically sound mine pillar design analysis
- 1078 42 An infrared-absorption study of coal-metal salt catalyst interactions
- 1079 76 Comparison of the carbon-13 N.M.R. spectra of solid coals and their liquids obtained by catalytic hydrogenation
- 1079 126 The thermodynamics of anthracene hydrocracking
- 1081 3 Pyrolysis of coal as an analytical tool
- 1081 69 Carbon-13 CP/MAS spectroscopy of coal macerals
- 1081 180 Carbon-13 CP/MAS study of coal macerals of varying rank
- UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VIRGINIA
- 0177 300 Heat transfer to viscous materials in a continuous-flow, scraped-wall, commercial-size heat exchanger
- 0477 185 Stabilization of essential rotating machinery for the fossil-fuel industry
- 0773 0 How much in reserve? More fuel than meets the eye
- UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON
- 0179 117 Kinetics of sub-bituminous coal drying
- 0181 18 The channel flow flame regime of borehole reverse combustion
- 0182 94 Prospects for laboratory simulation of UCG system phenomena
- 0479 243 The effects of moisture and temperature upon the behavior of an unsupported coal mine roof
- 0481 45 A technique for optimal sequential maintenance scheduling
- 0574 34 Acid strip mine lake recovery
- 0579 71 Gas-to-particle conversion in the plumes from coal-fired electric power plants - dissertation

CORPORATE AUTHOR INDEX

- 0580 32 An economic analysis of air pollution from coal-fired power-plants
 - 0680 5 Measurement of gas-to-particle conversion in the plumes from five coal-fired electric power plants
 - 0878 3 Appendix: Cook-Inlet coal economics of mining and marine slurry transport
 - 0878 4 Feasibility study of mining Alaska-coal and transportation by slurry to the West-Coast
- UNIVERSITY OF WATERLOO, WATERLOO, ONTARIO
- 0282 188 Flash pyrolysis of Canadian coals
 - 0380 20 Removal of pyrite from coal by conditioning with thiobacillus ferrooxidans followed by oil agglomeration
 - 0381 107 Chemical comminution of Nova Scotia coals
 - 0580 153 Potential effects on groundwater of fly ash and FGD waste disposal in lignite surface mine pits in North-Dakota
 - 0582 30 A technique for determining low concentrations of total carbonate in geologic materials
 - 0681 122 A furnace wall ash monitoring system for coal fired boilers
 - 0781 40 Depositional setting and groundwater quality in coal-bearing sediments and spoils in western North Dakota
 - 1080 70 Change of pore properties during carbonization of coking coal
 - 1180 14 Physical and chemical characterization of Athabasca tar sands fly ash
- UNIVERSITY OF WEST VIRGINIA, MORGANTOWN, WEST VIRGINIA
- 0171 8 Simultaneous nonisothermal noncatalytic solid-gas reactions
 - 0176 122 An analysis of slow reactions in a porous particle
 - 0270 5 Simultaneous noncatalytic solid-fluid reactions
 - 0879 11 Coming: New coal transportation modes
- UNIVERSITY OF WESTERN ONTARIO, LONDON, ONTARIO
- 0281 334 Ultraflash pyrolysis (ultraprolysis) process for coal, wood and other carbonaceous materials
 - 0380 22 Electrostatic beneficiation of Hat Creek (Canada) coal in the fluidized state
 - 0380 40 The release of vanadium from Athabasca oil-sands cokes by leaching techniques
 - 0382 5 Coal cleaning by counter-current fluidized cascade
 - 0781 10 Distributions of trace elements in Western Canadian coal ashes
 - 1081 35 Semi-quantitative ESCA examination of coal and coal ash surfaces
- UNIVERSITY OF WISCONSIN MILWAUKEE, MILWAUKEE, WISCONSIN
- 0280 196 Studies of tricobalt enneacarbonyl clusters on oxide supports
 - 0582 19 Studies of surface layers on single particles of in-stack coal fly ash
- UNIVERSITY OF WISCONSIN SUPERIOR, SUPERIOR, WISCONSIN
- 0580 134 Static coal storage - Chemical effects on the aquatic environment
- UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN
- 0480 95 Effect of in-situ stresses on the stability of mine roof bolts
 - 0578 47 The impact of a coal-fired power-plant on ambient sulfur-dioxide levels
 - 0580 116 Element flow in aquatic systems surrounding coal-fired power plants. Wisconsin power plant impact study
 - 0580 125 Impacts of coal-fired power plants on local ground-water systems: Wisconsin power plant impact study
 - 0662 0 Mass transfer in a catalyst pellet during regeneration
 - 0681 37 Coal combustion at high reynolds number
 - 0681 119 Dispersion, mass transfer and chemical reaction in multiphase systems. i. Theoretical developments
 - 1071 3 Critical micelle concentrations of aqueous surfactant systems
 - 1080 112 A simple acid digestion method for the determination of ten elements in ambient aerosols by flame atomic absorption spectrometry
- UNIVERSITY OF WISCONSIN, OSHKOSH, WISCONSIN
- 0181 17 Rawlins test #1 cavity definition study
- UNIVERSITY OF WITWATERSRAND, JOHANNESBURG, SOUTH AFRICA
- 0179 220 Gasification of coal
 - 0581 16 Pixe analysis of time-sequence 'streaker' filters from Johannesburg
 - 0681 216 Performance of a bottom discharge blow vessel conveying pulverized fuel ash

- 1082 53 X-ray structural parameter for coal
- UNIVERSITY OF WOLLONGONG, WOLLONGONG, NSW, AUSTRALIA
1080 37 Coalification paths of exinite, vitrinite and inertinite
- UNIVERSITY OF WROCLAW, WROCLAW, POLAND
0580-170 Radionuclide behavior in coal-fired plants.
- UNIVERSITY OF WYOMING, LARAMIE, WYOMING
0173 46 Alkali carbonate and nickel catalysis of coal-steam gasification
0175 72 The direct production of hydrocarbons from coal-steam systems
0178 165 Kinetic modeling of pyrolysis and hydrogasification of carbonaceous materials
0178 393 The permeation theory of underground coal gasification - dissertation
0180 146 Remote induction sounding of Hanna underground coal burn II, phase 1, employing pseudonoise/cross-correlation techniques
0180 159 The push-pull test a method of evaluating formation adsorption parameters for predicting the environmental effects on in-situ coal gasification and uranium recovery
0180 259 A water-influx model for UCG with spalling-enhanced drying
0181 7 Statistical model fitting of remote induction sounding data from underground coal gasification site-Hanna II, Phases 2 and 3
0181 229 An overview of underground coal gasification - a comparison of modeling studies with field test data
0182 25 Characterization of condensates produced during underground coal gasification
0182 90 A model for roof spalling and its application to predicting cavity shape for the Hanna III UCG field test
0182 93 Fundamental research needs in underground coal gasification
0277 47 Effects of solvent characteristics on Wyodak coal liquefaction
0279 42 Chromatographic and spectrometric methods for the separation, characterization, and identification of alkylphenols in a coal-derived solvents
0279 113 The effect of solvent on solvent refined coal denitrification
0281 44 Estimation of alkylphenol content in coal recycle solvents
0282 13 Hydroliquefaction of Wyodak coal using bottoms recycle
0282 23 Upgrading of recycle solvent used in the direct liquefaction of Wyodak coal
0282 28 Separation of solvent-refined coal into solvent-derived fractions
0282 55 Separation of solvent-refined coal into compound-class fractions
0282 87 Effect of Wyoming coal properties on direct-liquefaction reactivity
0580 114 Bibliography of aquatic ecosystem effects, analytical methods and treatment technologies for organic compounds in advanced fossil-fuel processing effluents
0581 62 Strip-mined river restoration
1179 54 Mitigating human services problems in energy impacted communities
- UNIVERSITY OF ZARAGOZA, ZARAGOZA, SPAIN
0682 6 Kinetic equations of mechanistic type with nonseparable variables for catalyst deactivation by coke. Models and data analysis methods
- UOP, INC., DECATUR, ALABAMA
0280 338 Tube-side heat transfer and pressure drop for tubes having helical internal ridging with turbulent/transitional flow of single-phase fluid. Part 2. Multiple-Helix ridging
- UOP, INC., DES PLAINES, ILLINOIS
0276 7 Characterization of coal-liquids. Upgrading Solvent-Refined Coal
0276 8 Characterization of coal-liquids. Upgrading Synthoil
0276 9 Characterization of coal-liquids. Upgrading Cut-Back Solvent-Refined coal
0277 35 Characterization of coal liquids
0278 229 Upgrading of coal liquids. Interim report. Hydrocracking of h-coal derived gas oils
0278 230 Upgrading of coal liquids. Interim report. Hydrotreating and reforming h-coal process derived naphthas
0278 231 Upgrading of coal liquids. Interim report. Hydrotreating and fluid catalytic cracking of h-coal process derived gas oils
0279 30 Upgrading of coal liquids. Hydrotreating and reforming SRC II process derived Naphtha

- 0279 83 Upgrade coal derived distillates
0279 204 Upgrading of coal liquids. Interim report. Hydrotreating and fluid catalytic cracking of EDS process derived gas oils
0279 206 Upgrading of coal liquids. Interim report. Hydrotreating and reforming Exxon Donor Solvent (EDS) process derived naphthas
0279 211 Upgrading of coal liquids. Hydrocracking of EDS process derived gas oils. Interim report
0280 24 Trace acid removal in the pretreatment of petroleum distillate
0280 178 New roles for thermal cracking
0280 203 The Aurabon process: New way to upgrade tars and heavy crudes
0280 271 Deasphalting, deashing and upgrading of coal liquids
0280 368 Coal liquid/petroleum refinery integration
0281 58 Comparison of reactor systems for indirect liquefaction via Fischer-Tropsch technology
0281 249 Sasol upgrades synfuels with refining technology
0281 309 Catalytic cracking for the production of transportation fuels from syncrudes
0282 78 A comparison of Fischer-Tropsch Reactors
0282 198 Process for deashing primary coal liquids
0380 26 New analyzers improve reformer efficiency
0380 6 New data for RCD Unibon
- USS ENGINEERS AND CONSULTANTS, INC., PITTSBURGH, PENNSYLVANIA
0178 296 Clean coke process: Processes development studies Final Report Vol. 2 - Summary of PDU Studies
0278 154 Clean coke process: Process development studies. Final report, Volume III - Final process design & economics. Part 2: Process economics
0375 6 Clean-coke process summary of bench scale studies
0376 14 Clean coke process: Process development studies. Annual report, July 1975 - June 1976
0377 78 Clean coke process: Process development studies. Annual report, July 1976 - June 1977
0378 60 Clean coke process: Process development studies. Final report, Volume 1. Summary of bench-scale studies
0378 80 Clean coke process: process development studies. Final report: Volume 11 - final process design and economics, part 1: final process design
- USSR ACADEMY OF SCIENCES, SVERDLOVSK, USSR
0780 48 Coal measures of deep (beyond the Shelf) ocean zones
- USUTU COLLIERIES LIMITED, ERMELO, TRANSVAAL, SOUTH AFRICA
0480 6 Pillar extraction at USUTU collieries using continuous miners
- UTAH POWER & LIGHT COMPANY, SALT LAKE CITY, UTAH
0282 132 The Rheological characterization of coal liquefaction preheater slurries
0480 112 Mine plan optimization through the use of geologic and fuel quality control programs
- UTAH STATE UNIVERSITY, LOGAN, UTAH
0480 215 Management of the hydrologic system in areas subject to coal mining activities
0579 94 Grasses for revegetation of surface mining areas in western US
0579 100 Utilization of legumes in the revegetation of environmentally stressed arid mine spoils
0579 101 Plant establishment research on disturbed arid sites in the west
0580 104 vegetative rehabilitation of arid land disturbed in the development of oil shale and coal
- UTSUNOMIYA UNIVERSITY, UTSUNOMIYA, JAPAN
0173 53 Identification of rate-controlling steps for the water-gas shift reaction over an iron oxide catalyst
- VALLEY CAMP COAL COMPANY, SHREWSBURY, WEST VIRGINIA
0480 92 Incandescent lamps light the way
- VALLEY FORGE SPACE CENTER, PHILADELPHIA, PENNSYLVANIA
0580 21 Feasibility study of coal slag based glasses for hot gas clean up, final report of phase 2

- VARIAN ASSOCIATES, WALNUT CREEK, CALIFORNIA
1081 144 High-performance liquid chromatographic column switching techniques for rapid hydrocarbon group-type separations
- VARIAN NMR APPLICATIONS LABORATORY, ZUG, SWITZERLAND
1079 63 Pyridine extracts of solid fuels
- VIBRA TECH ENGINEERS, INC., USA
0479 226 The OSM blasting regulations and blaster training - an update
- VIBRANETICS INC., LOUISVILLE, KENTUCKY
0378 27 Handling prep plant refuse with vibrating equipment
- VICTORIAN BROWN COAL COUNCIL, MELBOURNE, VICTORIA, AUSTRALIA
0680 20 High grade granular activated carbons from Victorian-brown-coal
- VINETA, INCORPORATED, FALLS CHURCH, VIRGINIA
0181 190 An analysis of coal gasification/combined cycle cogeneration power plants
- VIRGINIA COMMONWEALTH UNIVERSITY, RICHMOND, VIRGINIA
0279 222 New potentially useful catalysts for the indirect liquefaction of coal
0280 356 Supported metal carbonyls: new catalysts for the indirect liquefaction of coal
- VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA
0882 38 Coal slurry pipelines in Virginia: a preliminary feasibility study status report
- VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, BLACKSBURG, VIRGINIA
0280 167 Gel permeation chromatography of coal-derived products with on-line infrared detection
0281 15 Size exclusion chromatography of organically bound metals and coal-derived materials with inductively coupled plasma atomic emission spectrometric detection
0281 91 Trace metal distribution in fractions of solvent-refined coal by ICP-OES and implications regarding metal speciation
- 0281 156 Organically bound metals in a solvent-refined-coal: metallograms for a Wyoming subbituminous coal
0281 164 Analysis of coal conversion recycle solvents by liquid chromatography with nuclear magnetic resonance detection
- 0281 328 Development and application of analytical techniques to chemistry of donor solvent liquefaction - Quarterly Progress Report for the period July, 1981 - September, 1981
- 0380 4 Wetting of powdered coals by alkanol-water solutions and other liquids
0479 65 Actions of wetting agents on coal dust
0481 79 Comparisons between finite element calculations and field measurements of room closure and pillar stress during retreat mining
- 0680 124 Performance of a diesel engine operating on raw coal-diesel fuel and solvent refined coal-diesel fuel slurries
0779 45 Designing coal pillars from drill core data
0882 25 Computer application of a preliminary feasibility model to a Turkish iron-ore and a Virginia coal slurry pipeline
- 1077 53 Preparative GPC study of solvent-refined-coal and its acid-neutral-base components
1078 126 A 1-H and 13-C nuclear-magnetic-resonance study of the organic constituents in different solvent-refined-coals as a function of the feed coal
- 1079 87 Study of solvent-refined-coal by elevated temperature carbon-13 Fourier transform nuclear-magnetic-resonance spectrometry
- 1079 130 Size exclusion chromatography for the separation of whole coal liquids
1079 249 Characterization of organic functional groups in model systems for coaly matter employing 19/F NMR
1081 6 Fourier transform infrared spectrometric detection in size exclusion chromatographic separation of polar synfuel material
- 1081 136 Size exclusion chromatography of organically bound metals and coal-derived materials with inductively coupled plasma atomic emission spectrometric detection

CORPORATE AUTHOR INDEX

- VONHOF CONSULTING LTD., CALGARY, ALBERTA
0580 93 The effects of surface mining of coal on water quality near Grande Cache, Alberta
- VORTEK SYSTEMS LTD., EDMONTON, ALBERTA
0382 6 Raw coal variability and process control
- VSESOUJUZNY NAUCHNO ISSLEDOVATELSKY INSTITUT ISPOLZOVANLA GAZA V NARODNOM KHOZYAISTVE. PODZEMNOGO KHRANENIA NEFTI. NEFTEPRODUKTOV
I 0180 99 Method of processing coal channels in underground coal gasification
- W.F. LIBBY LABORATORIES, LOS ANGELES, CALIFORNIA
0274 16 A research & development program for catalysis in coal conversion processes
- W.P. EARLEY & ASSOCIATES, WEST BROOKFIELD, MASSACHUSETTS
0181 250 Practical operating experience of a Riley gasifier
- WAHLER ASSOCIATES, PALO ALTO, CALIFORNIA
0579 91 Cost-effectiveness of aquifer dewatering
- WALDEN DIVISION OF ABCOR, INC., WILMINGTON, MASSACHUSETTS
0378 77 Research on cross-flow filtration for solids removal from coal synchrudes - final report
- WALKER GEOPHYSICAL CO., ESSEX, LOUISIANA
0479 78 Seismic methods for coal mine planning
- WALSUM COLLIERY, WALSAM, DUISBURG, WEST GERMANY
0480 32 Viability and risk assessment problems with increasing winning concentration in coal mining
- WARREN SPRING LABORATORY, HERTFORDSHIRE, UNITED KINGDOM
0280 156 Static mixer and method of mixing fluids
- WARSAW UNIVERSITY, WARSAW, POLAND
0179 309 The effect of certain parameters on the process of flame pyrolysis of coals
- WASEDA UNIVERSITY, TOKYO, JAPAN
0179 298 Steam-reforming of residual oils in the fluidized bed of nickel-dolomite catalyst
- WASHINGTON IRRIGATION AND DEVELOPMENT COMPANY, CENTRALIA, WASHINGTON
0182 83 The shortest route to commercialization of UCG
0579 96 Erosion and sediment control - an operational approach at the centralia coal mine
- WASHINGTON STATE UNIVERSITY, PULLMAN, WASHINGTON
0179 305 Gasification at atmospheric pressure of carbon in solvent refined coal minerals - dissertation
0180 164 Catalysis by multimetallics. Catalyzed homogeneous oxidation of alcohols, ketones and triphenylphosphine with molecular oxygen in the presence of hexarhodum dodecacarbonyl and dihenium decacarbonyl
0281 114 Catalytic hydrogen transfer due to FeSO₄/4 and Co-Mo in coal liquefaction
0281 356 Chemistry of trace element species in coal liquefaction processes
0282 10 Study of Ti in solvent-refined coal by x-ray absorption spectroscopy
0676 39 CREK - A computer program for calculation of combustion reaction equilibrium and kinetics in laminar or turbulent flow
- 0677 84 The nature of metals in petroleum fuels and coal derived synfuels
0678 63 Radiation from a methanol furnace
1081 73 Characterization of coal and coal-derived products by proton spin-lattice relaxation

- WASHINGTON UNIVERSITY, ST. LOUIS, MISSOURI
 0181 2 Heterogeneous model for moving-bed coal gasification reactors
 0181 161 Some observations on gas-solid noncatalytic reactions with structural changes
 0682 36 A variable size grain model for gas-solid reactions with structural changes
- WATER PURIFICATION ASSOCIATES, CAMBRIDGE, MASSACHUSETTS
 0179 61 Conceptual designs for water treatment in demonstration plants, II. Appendix - Design procedures
 0179 153 Fuel conversion and its environmental effects
 0579 14 Water related environmental effects in fuel conversion. I: Summary volume
 0579 17 Water related environmental effects in fuel conversion. II: Appendix volume
 0579 36 Water and energy in the western coal lands
- WATER RESEARCH FOUNDATION OF AUSTRALIA, AUSTRALIA
 0779 50 The clarification of clay suspensions
- WATER RESOURCES RESEARCH INSTITUTES OF WYOMING, MONTANA AND NORTH DAKOTA, LARAMIE, WYOMING
 0473 0 Coal-energy development in the Northern Great Plains
- WATERS ASSOCIATES, MILFORD, MASSACHUSETTS
 1082 40 Integrated systems make HPLC behavior reliable, versatile
- WAYNE STATE UNIVERSITY, DETROIT, MICHIGAN
 0281 160 Viscosity and spray formation studies of coal-oil mixtures
 0282 79 Analysis by means of light scattering of laminar, vortical, and turbulent flow.
 0680 37 Phase changes in mineral matter of North-Dakota lignites caused by heating to 1200-degrees-C
- WAYNESBURG COLLEGE, WAYNESBURG, PENNSYLVANIA
 0381 84 Thermal oxidative degradation of coal as a route to sulfur functionality: an initial study
- WBK, BOCHUM
 0878 22 Results of various basic studies in the field of hydraulic transport of coal and waste
 0878 23 Practical problems in hydrotransport systems
- WELDING INSTITUTE OF ABINGTON, ABINGTON, UNITED KINGDOM
 0181 47 Coal conversion
- WEN DON CORP., ROANOKE, VIRGINIA
 0882 0 Physical chemistry of frozen coal
- WENTWORTH BROTHERS INC., CINCINNATI, OHIO
 0282 133 Producing methanol for fuels
- WEST VIRGINIA STATE GEOLOGICAL SURVEY, MORGANTOWN, WEST VIRGINIA
 0777 18 The composition of coal: Some implications for the future
 1078 50 Application of Moessbauer-spectroscopy to monitor acid-mine-drainage potentials of coal seams
 1079 81 X-ray radiography of coal
- WEST VIRGINIA UNIVERSITY, MORGANTOWN, WEST VIRGINIA
 0168 5 Comparison of kinetic and diffusional models for solid-gas reactions
 0170 7 Comparison of zone-reaction model and unreacted-core shrinking model in solid-gas reaction-I Isothermal analysis
 0173 30 Production of electricity via coal and coal-char gasification
 0173 36 Production of low-Btu-gas involving coal pyrolysis and gasification
 0176 60 The role of the carbon - carbon dioxide reaction in gasification of coal and char
 0176 129 The role of the char-CO//2 reaction in coal gasification
 0178 257 Thermo-mechanical responses for porous-permeable media with application to underground coal gasification
 0178 298 A coal and gas pipeline feasibility study, Volume 1, Executive summary report

- 0178 299 A coal and gas pipeline feasibility study, Volume II: Technical and Economic Evaluation
 0178 329 Computer modeling of the MERC fixed-bed gasifier
 0178 336 Electrical properties of Eastern bituminous coal as a function of frequency, polarization and direction of the electromagnetic wave, and temperature of the sample
 0178 377 Ammonia from coal-an economic evaluation
 0178 396 Thermo-mechanical responses for porous-permeable media with applications to underground coal gasification - dissertation
 0179 101 Geophysical survey characterization of underground coal gasification sites near Pricetown, West-Virginia
 0179 110 A preliminary model for predicting water intrusion into a cavity formed during the UCG process
 0179 177 Entrainment coal gasification modeling
 0179 236 Coal conversion technology
 0179 254 Entrained-bed coal gasification modeling
 0179 344 Wear compensating seals for high pressure rotary piston coal feeder
 0180 72 Elutriation and attrition of char from a large fluidized-bed
 0180 144 Reactivity correlation for the coal char - CO//2 reaction
 0181 5 Process for power generation from wet air oxidation with application to coal gasification waste waters
 0181 160 Kinetic studies on the reactions involved in the hot gas desulfurization using a regenerable iron oxide sorbent-I. Reduction and sulfidation of iron oxide
 0182 17 Electron spin resonance from impurities in coal-derived pyrites
 0182 72 Discovery of a mechanism for oxygen transport during UCG
 0182 78 Study of the flame extinction process for coal under UCG conditions
 0277 98 Indirect measurement of particle association effects in coal-derived liquids by x-ray photography
 0278 48 The influence of precipitated asphaltenes on sedimentation of particles in coal liquids
 0278 209 Effect of ultrasound on liquid flow through porous materials
 0278 212 Influence of ultrasound on liquid flow through inhomogeneous media
 0278 216 Heat transfer simulation in underground coal liquefaction - dissertation
 0279 61 Initial stage (short residence time) coal dissolution
 0279 188 A model for coal pyrolysis
 0280 208 Application of thermochemistry and kinetics to model compound reactions
 0280 249 X-ray investigations of antisolvent and critical solvent ash removal from coal-liquids
 0281 129 Indirect measurement of inclined sedimentation for ash in coal liquids at high temperature and pressure by x-ray photography
 0281 158 Moessbauer study of transformations of pyrite under conditions of coal liquefaction.
 0281 163 In-situ Moessbauer spectroscopic study of the behaviour of tin (II) chloride during coal hydrogenation
 0281 252 A mathematical model for coal liquefaction in the solvent refined coal process
 0281 267 A fundamental chemical kinetics approach to coal conversion
 0281 279 Moessbauer study of the transformation of iron minerals during coal conversion
 0281 319 Mineral matter effects in coal conversion
 0377 62 Vacuum filtration of fine particles with the aid of ultrasound
 0377 63 Ultrasonic assist in dewatering and filtration of fine particles
 0380 50 Characterization of coal refuse
 0381 120 Removal of organic sulfur from coal
 0477 96 Competition in National and Appalachian coal markets
 0477 108 Review of the shortwall mining in the United-States
 0478 313 Roof bolting patterns at three-way entry intersections
 0479 196 A discriminant analysis of dropouts from a coal miner training program
 0479 216 Relationship of overburden analysis to minesoil properties in post mining land use
 0479 249 Measurement of the support resistance of shortwall chocks and its applications
 0480 119 Getting the most from multiple-seam reserves
 0481 61 Basics of grounding
 0481 65 Predicting surface subsidence for damage prevention
 0573 0 Environmental impact of underground coal conversion
 0576 9 An environmental analysis technique for coal conversion process contaminants on the neuromuscular system, sub-task on
 0577 88 Effects of coal combustion and gasification process contaminants on the neuromuscular system, sub-task on peripheral nervous system effects. Final report
 0579 2 Biological treatability of gasifier wastewater
 0579 58 Estimation of retention of pollutants on unburned coal after in-situ gasification

- 0579 60 Possible utilization of waste streams from a conceptual coal conversion facility
 0580 172 Overview of coal refuse disposal in the United States
 0578 122 Simulation of fluidized-bed combustors: Part I. Combustion efficiency and temperature profile
 0578 123 Simulation of fluidized-bed combustors: Part II. Coal devolatilization and sulfur-oxides retention
 0578 188 Fluidized-bed flow equations
 0578 249 Coal conversion reaction engineering
 0578 255 Simulation of fluidized bed coal combustors - dissertation
 0679 179 The sulfur-tain process: A technique to minimize sulfur emissions, Part 1. Laboratory studies on the low temperature combustion of compacted limestone - coal mixtures
 0679 198 The feasibility of using coal to heat and cool public buildings in West Virginia
 0580 13 Stoichiometry of iron sulfides in liquefaction residues and correlation with conversion
 0580 46 A comprehensive model for fluidized bed coal combustors
 0581 16 Devolatilization and combustion of coal in fluidized bed combustors
 0582 43 Fluidized bed freeboard phenomena: entrainment and elutriation
 1077 71 A new technique for measuring reflectance of vitrinite and dispersed vitrinite in sediments
 1077 106 Reactivity of coal and char. 2. In oxygen - nitrogen atmosphere
 1078 71 Analysis of twenty three West-Virginia coals
 1078 180 Leaching rates of coal associated metals
 1078 182 Uranium in coal and carbonaceous rocks in the United States and Canada: an annotated bibliography
 1079 250 Characterization of iron bearing minerals in coal
 1080 110 The coal char reaction with CO//2-CO gas mixtures
 1080 114 Anisotropic electrical properties of coal
 1081 62 In-situ study of the decomposition of pyrite in an oxygen atmosphere
 1081 107 Moessbauer study of decomposition of pyrite in hydrogen
 1081 141 Application of Moessbauer spectroscopy to coal characterization and utilization
 1081 213 Electrical properties of coal at microwave frequencies for monitoring
 1082 37 Moessbauer study of the thermal decomposition of FeS//2 in coal
 1178 3 Outlook for future energy supplies and costs
 1179 47 Coal: problems and prospects in the 1980's
 1180 40 Horizontal divestiture of energy companies: regional market evidence on coal production and reserve ownership concentration ratios
 1180 41 Spatial equilibrium in the US coal industry
- WESTERN ENERGY COMPANY, COLSTRIP, MONTANA
 0479 218 Rosebud mine: a case study in western reclamation through research
- WESTERN GASIFICATION COMPANY, LOS ANGELES, CALIFORNIA
 0176 73 Coal gasification - a new alternative in clean energy production
- WESTERN RESEARCH LABORATORY, EDMONTON, ALBERTA
 0381 106 Influence of slimes in fine coal on separation efficiency of water-only-washing cyclone
- WESTERN RESEARCH, CALGARY, ALBERTA
 0582 15 Applications of airshed modelling to utility planning
- WESTERN WASHINGTON UNIVERSITY, BELLINGHAM, WASHINGTON
 0779 15 Depositional setting and coal petrology of Tulameen coalfield, South-Central British-Columbia
 0780 5 Kaolinite, smectite and k-rectorite in bentonites: relation to coal rank at Tulameen, British-Columbia
- WESTERN KENTUCKY UNIVERSITY, BOWLING GREEN, KENTUCKY
 0281 276 Coal liquid upgrading using metallophthalocyanine catalysts: hydrogenation of the model compound quinalone
 1079 101 Analysis of organic nitrogen compounds using paired ion chromatography. Applications to the analysis of coal-derived liquids

- WESTINGHOUSE ELECTRIC CORPORATION, CONCORDVILLE, PENNSYLVANIA
 0180 195 Entrained gasification combined-cycle control study, Volume 1: Summary of results and conclusions
 0279 135 Ceramics technology readiness development program - phase 1: conceptual designs and material screening - final report
 0680 40 Gas turbine combustor performance on synthetic fuels
- WESTINGHOUSE ELECTRIC CORPORATION, LESTER, PENNSYLVANIA
 0175 37 Advanced coal gasification system for electric-power generation, Multiple-Fluidized-Bed coal gasification system, Conceptual design and cost estimate
 0176 111 Advanced coal gasification system for electric-power generation, Technical status report: Development of full-size gas turbine combustors using simulated low-Btu fuel gas at 350-degrees-F.
 0177 237 High temperature turbine technology program, Phase I. Program and system definition topical report: Overall plant design description, low-Btu combined-cycle electric-power plant
 0177 238 High temperature turbine technology program, Phase I. Program and system definition, Topical report: Overall plant design description liquid-fuel combined-cycle electric-power-plant
 0177 239 High temperature turbine technology program, Phase I. Program and system definition, Topical report: Technology development plan for Phase II
 0177 240 High temperature turbine technology program, Phase I. Program and system definition, Topical report: Phase III preliminary turbine subsystem technology readiness verification program plan
 0177 241 High temperature turbine technology program, Phase I. Program and system definition, Topical report: Low-Btu gas combustor preliminary designs for three concepts
 0177 242 High temperature turbine technology program, Phase I. Program and system definition, Topical report: Fuels cleanup and turbine tolerance
 0177 243 High temperature turbine technology program, Phase I. Program and system definition, Topical report: Low-Btu fuel combined-cycle reference design
 0177 244 High temperature turbine technology program, Phase I. Program and system definition, Topical report: Coal liquid combined-cycle research design
 0677 206 High-temperature turbine technology program, Phase I. Program and system definition, Topical report: low-Btu gas combustor technology development plan
 0677 207 High temperature turbine technology program, Phase I. Program and System definition, Topical report: reference turbine subsystem designs (primary and back-up concepts)
- WESTINGHOUSE ELECTRIC CORPORATION, MADISON, PENNSYLVANIA
 0178 76 Process development for the Westinghouse advanced fluidized-bed coal gasification system
 0178 157 Development of an advanced fluidized-bed coal gasification process
 0178 338 Advanced coal gasification technology
 0179 209 Advances in fluidized-bed gasification process-1 development
 0179 233 Integration of gasification with combined cycle power plants
 0179 351 Applications of coal gasification technology
 0181 248 Operating experience with the Westinghouse gasifier
 0182 44 The Westinghouse gasification process
- WESTINGHOUSE ELECTRIC CORPORATION, PITTSBURGH, PENNSYLVANIA
 0170 3 1970 Final Report Project Fuel Cell
 0177 296 Hydrogen generation process, final report
 0178 252 Conversion of Rapid-City pilot-plant: Phase II. Preliminary detailed design, Volume 2, Conversion work, equipment list and drawings, Phase III, Work scope, project schedule, Phase II. Final report, December 1977 - August 1978
 0178 253 Conversion of Rapid-City pilot-plant: Phase II. Preliminary detailed design, Volume 3, Design and construction cost estimates, overall program costs and schedule, Phase II. Final report, December 1977 - August 1978
 0178 256 Conversion of Rapid-City pilot-plant: Phase II. Preliminary detailed design, Volume 1, Summary, Test programs, environmental assessment, gasifier control, and oxygen conversion, Phase II. Final report, December 1977 - August 1978
 0179 11 First phase of a coalbed methane extraction and utilization program
 0179 71 Evaluation of prestressed cast iron pressure vessels for coal gasifier, Final technical report
 0179 72 Evaluation of prestressed cast iron pressure vessels for coal gasifier, Appendix A, Final technical report
 0179 176 High-temperature pneumatic-transport line test facility

- 0180 307 The Westinghouse coal gasification process
 0181 125 Westinghouse fluidized bed coal gasification process for phosphoric acid fuel cell power plant
 0280 251 Coal-derived oils hydrotreatment catalyst activity performance
 0280 280 Conversion of coal into hydrocarbons
 0480 53 Heat rate improvements in pulverized coal power plants
 0576 12 Operation of the Westinghouse coal gasification PDU
 0677 143 Final report on the joint U.S. - U.S.S.R. test of the U.S. MHD electrode system in the U - 02 facility. Phase II. September 1976
 0678 76 MHD ETF 150-MW reference design and cost report
 0678 101 MHD ETF conceptual design, Volume 1 - Summary and Recommendations
 0678 105 MHD ETF conceptual design, Volume III - Definition of concepts
 0678 121 Simulation and modeling of start-up and shutdown in a pilot-scale recirculating fluidized-bed coal devolatilizer
 0678 136 Design of recirculating fluidized-beds for commercial applications
 0678 192 MHD-ETF design criteria
 0678 193 MHD-ETF conceptual design - volume IV - appendices
 0678 194 MHD ETF conceptual design - volume II - selection, scaling and preliminary test plan
 0678 195 MHD ETF conceptual design volume / addendum
 0679 28 Final report on the U-02 phase III Proof test series
 0679 34 MHD ETF-150 MW progressive facility reference concept
 0679 101 Coal-fired fluid-bed gas-turbine cogeneration system
 0679 170 Development, testing and evaluation of MHD materials and component designs, final report
 0681 213 Characterization of coal-fired indirectly heated gas turbines for cogeneration applications
 1177 8 A forecast of electric power generation technology - 1975 - 2000
 1177 15 Evaluation of offshore site for wind energy generation
- WESTINGHOUSE RESEARCH AND DEVELOPMENT CENTER, MADISON, PENNSYLVANIA
 0177 196 Instrumentation development and application at the Westinghouse coal gasification PDU
- WESTINGHOUSE RESEARCH AND DEVELOPMENT CENTER, PITTSBURGH, PENNSYLVANIA
 0170 6 MHD System with dual pressure melt gasification and carbon dioxide recycle
 0171 2 Evaluation of the Fluidized Bed Combustion Process, Volume II, Technical Evaluation
 0177 209 Conversion of Rapid-City pilot-plant. Phase 1. Final Report, June - Dec. 1977
 0179 326 Chemically active fluid bed for SOx control, Volume 1, process evaluation studies
 0179 349 Design of refractories for coal gasification and combustion systems - Final Report
 0180 314 Char reactivities and their relationship to pore characteristics
 0181 3 Pulsed transport of bulk solids between adjacent fluidized beds
 0181 8 Study of kinetics of carbon gasification reactions
 0181 251 Hot gas cleaning for advanced coal conversion technologies
 0580 163 Fluid-bed combustion and gasification solids disposal
 0676 6 Joint U.S. - U.S.S.R. Test of U.S. MHD electrode systems in U.S.S.R. U - 02 MHD facility (phase I). Final Report
 0677 45 Fluidized-bed adiabatic combustor power plants: Concepts and comparisons
 0677 98 Characterization of corrosion and deposits in the laboratory gas-turbine simulator burning heavy fuels with additives
 0677 112 Corrosion/deposition in fluidized-bed combustion power-plant systems
 0677 119 The design of electrode systems and evaluation of electrode materials and semi hot wall MHD channels
 0677 177 Optimizing sorbent utilization in once-through atmospheric pressure fluidized-bed combustion
 0677 178 Experimental and engineering investigations for the development of fluidized-bed combustion processes
 0678 23 Circulating-bed boiler concepts for steam and power generation
 0678 236 Electrochemical corrosion of MHD-electrodes in slags
 0679 178 The effect of electrochemical and arcing phenomena on electrode performance
 0680 43 A thermogravimetric study of the sulfation of limestone and dolomite - prediction of pressurized and atmospheric fluidized-bed desulfurization

- WESTINGHOUSE RESEARCH AND DEVELOPMENT CENTER, WALTZ MILL, PENNSYLVANIA
0177 86 Development of the Westinghouse coal gasification process - A status report
- WESTINGHOUSE RESEARCH LABORATORIES, PITTSBURGH, PENNSYLVANIA
0179 143 Coal devolatilization studies in support of the Westinghouse fluidized-bed coal gasification process
0673 6 Kinetic studies related to the use of limestone and dolomite as sulfur removal agents in fuel processing
0673 14 Coal gasification for clean power generation
0673 19 Fluidized-bed combustion utility power plants - Effect of operating and design parameters on performance and economics
0673 22 Fluidized-bed oil gasification for clean power generation - Atmospheric and pressurized operation
0673 27 A pressurized fluidized-bed boiler development plant
0673 28 Gas-turbines for fluidized-bed boiler combined-cycle power plant
0675 6 Fluidized-bed combustion process evaluation
- WESTON AGRICULTURAL CONSULTANTS LIMITED, VANCOUVER, BRITISH COLUMBIA
0479 259 Reclaiming mining lands in Alaska
- WESTSHORE TERMINALS LIMITED, VANCOUVER, BRITISH COLUMBIA
0882 65 Coal terminal operations
- WILCO RESEARCH COMPANY, PROVO, UTAH
0281 16 Volatility of coal liquids at high temperatures and pressures
- WILLIAM JAMAL AND ASSOCIATES LIMITED, TORONTO, ONTARIO
0980 0 Tridem airborne conductivity mapping as a lignite exploration method
- WILLIAMS BROTHERS ENGINEERING COMPANY, TULSA, OKLAHOMA
0179 95 The chemical industry can benefit from underground coal gasification
0182 65 An R&D program for UCG in bituminous coals
0182 80 An assessment of underground coal gasification in bituminous coals
0182 97 Directional drilling as a means of creating gasification flow paths in underground coal gasification
- WILTEC RESEARCH COMPANY INC., PROVO, UTAH
0281 194 Selected physical, chemical and thermodynamic properties of narrow boiling range coal liquids
0282 19 Density, viscosity, and surface tension of coal liquids at high temperatures and pressures
- WIMPEY LABORATORIES LIMITED, HAYES, MIDDLESEX, UNITED KINGDOM
0779 18 Opencase coal reserves at Springhill
- WISCONSIN ELECTRIC POWER COMPANY, MILWAUKEE, WISCONSIN
0680 226 Cofiring coal and refuse-derived fuel in a utility steam generator: operational experience and corrosion probe evaluation
0680 229 Design features of a 1200-MW coal-fired plant designed for daily cycling
- WISS, JANEY, ELSTNER AND ASSOC. INC., NORTHBROOK, ILLINOIS
0482 12 Vibration and air blast noise from surface coal mine blasting
- WOODALL DUCKHAM LTD., PITTSBURGH, PENNSYLVANIA
0576 26 Commercially available clean industrial energy from coal
- WOODS HOLE OCEANOGRAPHIC INSTITUTE, WOODS HOLE, MASSACHUSETTS
0578 106 An overview of the biochemistry of fossil fuel hydrocarbons in the marine environment
- WOODWARD ASSOCIATES, INC., SAN DIEGO, CALIFORNIA
0478 163 Electrical and mechanical system improvement study (continuous miners), Final technical report

- WOODWARD CLYDE CONSULTANTS, SAN FRANCISCO, CALIFORNIA
 0477 163 Subsidence monitoring systems for undermined areas. Final technical report. Woodward-Clyde Consultants
- WORCESTER POLYTECHNIC INSTITUTE, WORCESTER, MASSACHUSETTS
 0179 342 Catalytic hydrogenation of Turkish lignites to oxygen free oil and gas
 0281 259 Kinetics and mechanisms of catalytic hydroliquefaction and hydrogasification of lignite. Final Technical Report
 0282 152 Catalytic hydroliquefaction of North Dakota lignite. Part I. Effects of process variables on product distribution
 0282 153 Catalytic hydroliquefaction of North Dakota lignite Part II. Kinetics of dissolution
 0379 132 Desulfurization of coal in buffered solutions
 1079 100 The reaction of coal with ferric-chloride
 1079 239 The reactions of coal with transition metal halides
 1080 14 Reactions of coal with the chlorides of iron, chromium and copper
- WORLD ENERGY CONFERENCE CONSERVATION COMMISSION, UNITED KINGDOM
 1178 35 World energy: looking ahead to 2020
- WORLD NEWS, CHICAGO, ILLINOIS
 0580 97 Biological, mechanical methods compete for wastewater-cleanup job
- WORMSER ENGINEERING, INC., MIDDLETON, MASSACHUSETTS
 0180 192 A multi-stage desulfurizing fluid-bed combustor for coal-fired hot gas generator systems
 0681 51 Operation and testing of the Wormser Grate fluidized bed combustor at the USM Corporation facility at Beverly, Massachusetts
- WYLE LABORATORIES, HUNTSVILLE, ALABAMA
 0481 85 Continuous miner noise
 0481 91 An investigation of the mechanics and noise associated with coal cutting
- XTEK, INC., USA
 0881 42 Hardened steel pipe provides longer life in wear areas of slurry transportation systems
- YALE UNIVERSITY, NEW HAVEN, CONNECTICUT
 0280 200 Reactions of heterocumulenes with triosmium clusters
- YAMAGATA UNIVERSITY, YONEZAWA, JAPAN
 0279 150 Effect of hydrogen pressure on rate of direct coal liquefaction
 0280 236 Kinetics of direct liquefaction of coal in the presence of Mo-Fe catalyst
- ZAKIR HUSAIN COLLEGE OF ENGINEERING AND TECHNOLOGY, ALIGARH, INDIA
 0380 53 Corrosion behavior of stainless steels coated with coal ash deposits at 800-1000-degrees-C
- ZAPOROZH'E BY PRODUCT COKE WORKS, UKRAINE, USSR
 1078 144 The substance-petrographic composition of the products of the enrichment of coals, and the distribution of sulfur
- ZIMPRO INCORPORATED, ROTHSCCHILD, WISCONSIN
 0882 50 High pressure coal slurry pumping with hydraulic exchange pumps.
- ZURN INDUSTRIES, INC., ERIE, PENNSYLVANIA
 0677 106 Three years of operating experience with a waterwall boiler at the oceanside disposal plant

